Alaska
Electric Power
Statistics
(with Alaska Energy Balance)

1960-2001

Prepared by
Institute of Social and Economic Research
University of Alaska Anchorage

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Regulatory Commission of Alaska
Denali Commission

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Institute of Social and Economic Research
University of Alaska Anchorage
4500 Diplomacy Drive
Anchorage, Alaska 99508

ALASKA ELECTRIC POWER STATISTICS

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ALASKA ELECTRIC POWER STATISTICS

INTRODUCTION

Prior to 1985, the federal Alaska Power Administration published the *Alaska Electric Power Statistics*. Then, the Alaska Energy Authority (formerly the Alaska Power Authority) began gathering statistical data and publishing this annual report. In 1988, the *Alaska Electric Power Statistics* report became a combined effort between the Alaska Systems Coordinating Council and the Alaska Energy Authority. Beginning in 1993, the report became a joint effort between the Alaska Systems Coordinating Council and the Department of Community and Regional Affairs, Division of Energy. After the 1995 no further reports were published until this year.

This twenty-second edition of the *Alaska Electric Power Statistics* has been prepared by the Institute of Social and Economic Research of the University of Alaska Anchorage with funding provided by the Alaska Energy Authority, the Regulatory Commission of Alaska, and the Denali Commission.

The report this year has a new look for a number of reasons.

First, information on utility, industry, and military electricity capacity, generation, and other characteristics was gathered primarily from reports filed with the US Department of Energy and made available on their website. This was supplemented by data collected by the Power Cost Equalization Program and a limited number of direct contacts with electric power producers in the state. Consequently some information contained in prior reports does not appear this year. Information on service interruptions, typical monthly residential bills, and work in progress is not reported this year.

At the same time the federal data source has provided some information not collected in prior years. New this year is a table showing the disposition of generation for each utility, including purchases and sales for resale. In addition there is more information on the cost of fuels used in generation.

Second, heightened concerns about the security of the physical infrastructure of the nation led to a decision not to include maps showing the transmission grids in the state.

Third, a decision was made by the Alaska Energy Authority to drop some of the tables that had not proven to be useful in the past. Thus the tables showing monthly sales have been excluded from the report this year.

The data is presented using the same regional definitions as in past reports, but since some utilities have operations that span more than a single region, their combined operations characteristics are also reported. In addition we present a breakdown of operations between the Railbelt utilities, the Power Cost Equalization utilities, and all other.

Finally, an entirely new section has been added to the report that describes the production and consumption of all energy in the state.

All producers of electricity with installed capacity greater than 1 megawatt are required by law to report their operations to the federal government. A number of utilities in the state fall below that installed capacity threshold. We were successful in contacting most of these very small utilities, but a few did not respond. These non-responding small utilities are listed in the installed capacity table (Table 2.1a) without any data entries.

Industrial and military producers of electricity are also required by law to report their operations to the federal government. However, we found that the reporting of those installations with more than 1 megawatt of installed capacity was not complete. We attempted to fill in the blanks for the largest producers, but we undoubtedly missed a few industrial and military producers. In many parts of the state there is no utility electricity available and any activity requiring electricity must self generate. The number of such small installations is quite large and it would be a very expensive task indeed to try to identify and contact each one individually. Consequently the industrial and military tables in this report only include the largest producers, and although they account for the vast majority of non-utility electricity capacity and generation, they underestimate the true totals.

In conjunction with the preparation of this annual report, we developed a set of excel files containing all the information reported by Alaska electricity generators to the Energy Information Administration. These master files, including documentation and instructions for developing the data sets in future years, are available to users by contacting either the Alaska Energy Authority or the Institute of Social and Economic Research.

ELECTRIC POWER STATISTICS

Table 1a.-1c. 2001 Utility Summary Data

1a. Installed Capacity (KW)

Region	PCE	Non-PCE		Total
		Railbelt	Non-Railbelt	
Arctic Northwest	76,102	0	30,850	**106,952**
South Central	18,931	1,208,902	124,104	**1,351,937**
South East	41,844	0	373,902	**415,746**
South West	69,141	0	0	**69,141**
Yukon	34,557	277,000	3,572	**315,129**
Totals:	**240,575**	**1,485,902**	**532,428**	**2,258,905**

1b. Net Generation (MWh)

Region	PCE	Non-PCE		Total
		Railbelt	Non-Railbelt	
Arctic Northwest	103,068	0	76,094	179,162
South Central	26,789	3,530,534	203,762	3,761,085
South East	32,046	0	672,422	704,468
South West	167,057	0	0	167,057
Yukon	57,842	774,543	2,134	834,519
Totals:	**386,801**	**4,305,077**	**954,412**	5,646,290

1c. Sales (MWh)

Region	PCE	Non-PCE		Total
		Railbelt	Non-Railbelt	
Arctic Northwest	77,799	0	73,797	**151,596**
South Central	3,406	3,056,000	223,278	**3,282,684**
South East	70,158	0	636,044	**706,202**
South West	153,925	0	0	**153,925**
Yukon	52,249	1,071,392	1,788	**1,125,429**
Totals:	**357,537**	**4,127,392**	**934,907**	**5,419,836**

1c. Revenue ($000)

Region	PCE	Non-PCE		Total
		Railbelt	Non-Railbelt	
Arctic Northwest	$19,925	$0	$7,616	**$27,541**
South Central	$1,114	$372,050	$38,563	**$411,727**
South East	$3,332	$0	$56,054	**$59,386**
South West	$38,367	$0	$0	**$38,367**
Yukon	$12,680	$89,816	$108	**$102,604**
Totals:	**$75,418**	**$461,866**	**$102,341**	**$639,625**

PCE = Utilities in the Power Cost Equalization Program
Railbelt = Utilities interconnected along the Alaska Railroad

Table 2.1a 2001 Utility Installed Capacity (KW) by Prime Mover by Plant

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
State Totals:		**2,258,905**	**858,050**	**443,442**	**475,736**	**68,500**	**101,900**	**530**	**310,700**		
Arctic Northwest		**106,952**	**19,300**	**0**	**87,122**	**0**	**0**	**530**	**0**		
South Central		**1,351,937**	**585,000**	**222,176**	**117,161**	**15,000**	**101,900**	**0**	**310,700**		
South East		**415,746**	**60,800**	**219,642**	**135,304**	**0**	**0**	**0**	**0**		
South West		**69,141**	**0**	**1,624**	**67,517**	**0**	**0**	**0**	**0**		
Yukon		**315,129**	**192,950**	**0**	**68,632**	**53,500**	**0**	**0**	**0**		
Arctic Northwest		**106,952**	**19,300**	**0**	**87,122**	**0**	**0**	**530**	**0**		
Alaska Village Electric Coop	Ambler	982	0	0	982	0	0	0	0		
Alaska Village Electric Coop	Brevig Mission	485	0	0	485	0	0	0	0		
Alaska Village Electric Coop	Elim	632	0	0	632	0	0	0	0		
Alaska Village Electric Coop	Gambell	1,120	0	0	1,120	0	0	0	0		
Alaska Village Electric Coop	Kiana	1,163	0	0	1,163	0	0	0	0		
Alaska Village Electric Coop	Kivalina	1,040	0	0	1,040	0	0	0	0		
Alaska Village Electric Coop	Koyuk	771	0	0	771	0	0	0	0		
Alaska Village Electric Coop	Noatak	982	0	0	982	0	0	0	0		
Alaska Village Electric Coop	Noorvik	1,163	0	0	1,163	0	0	0	0		
Alaska Village Electric Coop	Savoonga	1,246	0	0	1,246	0	0	0	0		
Alaska Village Electric Coop	Selawik	1,571	0	0	1,571	0	0	0	0		
Alaska Village Electric Coop	Shaktoolik	632	0	0	632	0	0	0	0		
Alaska Village Electric Coop	Shishmaref	971	0	0	971	0	0	0	0		
Alaska Village Electric Coop	Shungnak	1,248	0	0	1,248	0	0	0	0		
Alaska Village Electric Coop	St Michael	771	0	0	771	0	0	0	0		
Alaska Village Electric Coop	Stebbins	871	0	0	871	0	0	0	0		
Alaska Village Electric Coop	Wales	411	0	0	411	0	0	0	0		
Arctic Utilities (now TDX)	Deadhorse	10,550			10,550					2	3
Barrow Utils & Elec Coop Inc	Barrow	20,300	17,300	0	3,000	0	0	0	0	7	9
Buckland, City of	Buckland										
Diomede Joint Utilities	Diomede										
Golovin Power Utilities	Golovin										
Ipnatchiaq Electric Co	Ipnatchiaq (Deering)	453	0	0	453	0	0	0	0	0	0
Kobuk Valley Electric Company	Kobuk										
Kotzebue Electric Assn	Kotzebue	20,390	2,000	0	17,890	0	0	500	0	0	4
Matanuska Electric Assn	Unalakleet	2,370	0	0	2,340	0	0	30	0	1	1
Nome Joint Utility Systems	Snake River	17,735	0	0	17,735	0	0	0	0	4	5
North Slope Borough	Anaktuvuk Pass	2,245	0	0	2,245	0	0	0	0		
North Slope Borough	Atquasuk	1,350	0	0	1,350	0	0	0	0		
North Slope Borough	Kaktovik	4,100	0	0	4,100	0	0	0	0		
North Slope Borough	Nuiqsut	3,745	0	0	3,745	0	0	0	0		
North Slope Borough	Point Hope	2,925	0	0	2,925	0	0	0	0		
North Slope Borough	Point Lay	2,035	0	0	2,035	0	0	0	0		
North Slope Borough	Wainwright	1,950	0	0	1,950	0	0	0	0		
Teller Electric	Teller									0	0
White Mountain City of	White Mountain	745	0	0	745	0	0	0	0	0	0
Alaska Village Elec Coop	Total AVEC	16,059	0	0	16,059	0	0	0	0	11	12
North Slope Borough of	Total NSB	18,350	0	0	18,350	0	0	0	0	2	4

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
South Central		**1,351,937**	**585,000**	**222,176**	**117,161**	**15,000**	**101,900**	**0**	**310,700**		
Akhiok, City of	Akhiok										
Alaska Electric G & T * (AEA)	Bradley Lake	126,000	0	126,000	0	0	0	0	0		
Alaska Electric G & T *	Soldotna	37,910	37,910	0	0	0	0	0	0		
Alaska Electric G & T *	Nikiski	35,000	35,000								
Alaska Village Elec Coop	Old Harbor	618	0	0	618	0	0	0	0		
Alutiiq Power Company	Karluk										
Anchorage, Municipality of	Anchorage	70,556	68,320	0	2,236	0	0	0	0		
Anchorage, Municipality of	Eklutna	44,400	0	44,400	0	0	0	0	0		
Anchorage, Municipality of	George M Sullivan	266,347	92,647	0	0	0	33,000	0	140,700		
Chenega Bay IRA Village Council	Chenega Bay										
Chitina Electric Assn.	Chitina	400			400					0	0
Chugach Electric Assn	Beluga	430,104	191,204	0	0	0	68,900	0	170,000		
Chugach Electric Assn	Bernice Lake	96,375	96,375	0	0	0	0	0	0		
Chugach Electric Assn	Cooper Lake	16,666	0	16,666	0	0	0	0	0		
Chugach Electric Assn	Homer	400	0	0	400	0	0	0	0		
Chugach Electric Assn	International	54,494	54,494	0	0	0	0	0	0		
Chugach Electric Assn	Knik Arm	15,000	0	0	0	15,000	0	0	0		
Copper Valley Elec	Glennallen	8,927	0	0	8,927	0	0	0	0		
Copper Valley Elec (FDPPA)	Solomon Gulch	12,000	0	12,000	0	0	0	0	0		
Copper Valley Elec	Valdez Co-Gen	15,102	7,800	0	7,302	0	0	0	0		
Cordova Electric Coop	Eyak	8,100	0	0	8,100	0	0	0	0		
Cordova Electric Coop	Humpback Creek	1,250	1,250	0	0	0	0	0	0		
Cordova Electric Coop	Orca	7,203	0	0	7,203	0	0	0	0		
Cordova Electric Coop	Power Cr.										
Homer Electric Assn	Port Graham	200	0	0	200	0	0	0	0		
Homer Electric Assn	Seldovia	2,100	0	0	2,100	0	0	0	0		
Kodiak Electric Assn	Kodiak	49,475	0	0	49,475	0	0	0	0		
Kodiak Electric Assn	Nymans Plant	10,000	0	0	10,000	0	0	0	0		
Kodiak Electric Assn	Port Lions	1,100	0	0	1,100	0	0	0	0		
Kodiak Electric Assn (FDPPA)	Terror Lake	22,500	0	22,500	0	0	0	0	0		
Larsen Bay City of (AEA)	Kato	475	0	475	0	0	0	0	0	0	0
Matanuska Electric Assn	Talkeetna	5,000	0	0	5,000	0	0	0	0		
Ouzinkie City of	Ouzinkie	885	0	135	750	0	0	0	0	0	0
Seward City of	Seward	13,350	0	0	13,350	0	0	0	0	9	10
Tatitlek Electric Utilities	Tatitlek									0	0
Alaska Electric G & T *	Total AEG&T	72,910	72,910	0	0	0	0	0	0	0	0
Anchorage, Municipality of	Total MOA	381,303	160,967	44,400	2,236	0	33,000	0	140,700	138	144
Chugach Electric Assn	Total CEA	613,039	342,073	16,666	400	15,000	68,900	0	170,000	289	444
Copper Valley Electric	Total CVEA	36,029	7,800	12,000	16,229	0	0	0	0	12	14
Cordova Electric Coop	Total CEC	16,553	1,250	0	15,303	0	0	0	0	5	4
Homer Electric Assn	Total HEA	2,300	0	0	2,300	0	0	0	0	64	95
Kodiak Electric Assn	Total KEA	83,075	0	22,500	60,575	0	0	0	0	21	25

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
South East		415,746	60,800	219,642	135,304	0	0	0	0		
Alaska Electric Light & Power	Annex Creek	3,600	0	3,600	0	0	0	0	0		
Alaska Electric Light & Power	Auke Bay	28,300	25,800	0	2,500	0	0	0	0		
Alaska Electric Light & Power	Gold Creek	10,100	0	1,600	8,500	0	0	0	0		
Alaska Electric Light & Power	Lemon Creek	57,500	35,000	0	22,500	0	0	0	0		
Alaska Electric Light & Power	Salmon Creek	12,300	0	12,300	0	0	0	0	0		
Alaska Electric Light & Power	Snettisham	102,810	0	102,810	0	0	0	0	0		
Alaska Power & Telephone	Black Bear Lake	4,500	0	4,500	0	0	0	0	0		
Alaska Power & Telephone	Coffman Cove	740	0	0	740	0	0	0	0		
Alaska Power & Telephone	Craig	4,470	0	0	4,470	0	0	0	0		
Alaska Power & Telephone	Goat Lake	4,000	0	4,000	0	0	0	0	0		
Alaska Power & Telephone	Haines	7,445	0	0	7,445	0	0	0	0		
Alaska Power & Telephone	Hollis	355	0	0	355	0	0	0	0		
Alaska Power & Telephone	Hydaburg	1,020	0	0	1,020	0	0	0	0		
Alaska Power & Telephone	Naukati	533	0	0	533	0	0	0	0		
Alaska Power & Telephone	Skagway	3,450	0	950	2,500	0	0	0	0		
Alaska Power & Telephone	Viking Lumber	1,000			1,000						
Alaska Power & Telephone	Whale Pass	295	0	0	295	0	0	0	0		
Elfin Cove Electric Utilities	Elfin Cove										
Gustavus Electric Co.	Gustavus										
Hoonah City of	Hoonah	600	0	0	600	0	0	0	0		
Ketchikan, City of	Beaver Falls	6,400	0	6,400	0	0	0	0	0		
Ketchikan, City of	Ketchikan	5,100	0	4,200	900	0	0	0	0		
Ketchikan, City of	S W Bailey	25,950	0	0	25,950	0	0	0	0		
Ketchikan, City of	Silvis	2,100	0	2,100	0	0	0	0	0		
Ketchikan, City of (FDPPA)	Swan Lake	22,500	0	22,500	0	0	0	0	0		
Ketchikan, City of	Totem Bight	2,000	0	0	2,000	0	0	0	0		
Larsen Bay City of	Cummins	600	0	0	600	0	0	0	0		
Metlakatla Power & Light	Centennial	3,300	0	0	3,300	0	0	0	0		
Metlakatla Power & Light	Chester Lake	1,042	0	1,042	0	0	0	0	0		
Metlakatla Power & Light	Purple Lake	3,900	0	3,900	0	0	0	0	0		
Pelican Utility District	Pelican	2,660	0	1,200	1,460	0	0	0	0		
Pelican Utility District	Sand Point	2,800	0	0	2,800	0	0	0	0		
Petersburg City of	Petersburg	10,600	0	2,400	8,200	0	0	0	0	9	7
Sitka City of & Borough of	Blue Lake	7,540	0	7,540	0	0	0	0	0		
Sitka City of & Borough of	Green Lake	18,600	0	18,600	0	0	0	0	0		
Sitka City of & Borough of	Halibut Point	1,100	0	0	1,100	0	0	0	0		
Sitka City of & Borough of	Indian River	7,600	0	0	7,600	0	0	0	0		
Tenakee Springs City of	Tenakee	250	0	0	250	0	0	0	0	0	0
Thorne Bay City of	Thorne Bay	2,025	0	0	2,025	0	0	0	0	0	0
Tlingit & Haida Region Electric Authority	Angoon	1,830	0	0	1,830	0	0	0	0		
Tlingit & Haida Region Electric Authority	Chilkat Valley	1,165	0	0	1,165	0	0	0	0		
Tlingit & Haida Region Electric Authority	Hoonah	2,455	0	0	2,455	0	0	0	0		
Tlingit & Haida Region Electric Authority	Kake	3,385	0	0	3,385	0	0	0	0		
Tlingit & Haida Region Electric Authority	Kasaan	246	0	0	246	0	0	0	0		
Tlingit & Haida Region Electric Authority	Klawock	1,375	0	0	1,375	0	0	0	0		
Wrangell, City of	Wrangell	12,700	0	0	12,700	0	0	0	0		4
Wrangell, City of (FDPPA)	Wrangell (Tyee Lake)	20,000		20,000							
Yakutat Power Inc	Yakutat	3,505	0	0	3,505	0	0	0	0	2	1
Alaska Electric Light & Power	Total AEL&P	214,610	60,800	120,310	33,500	0	0	0	0	49	59
Alaska Power & Telephone	Total APC	27,808	0	9,450	18,358	0	0	0	0		
Ketchikan, City of	Total Ketchikan	64,050	0	35,200	28,850	0	0	0	0	26	27
Metlakatla Power & Light	Total MP&L	8,242	0	4,942	3,300	0	0	0	0	0	0
Pelican Utility District	Total Pelican	5,460	0	1,200	4,260	0	0	0	0	1	0
Sitka City of & Borough of	Total Sitka	34,840	0	26,140	8,700	0	0	0	0	13	18
Tlingit & Haida Region Electric Authority	Total T&HREA	10,456	0	0	10,456	0	0	0	0	2	2
Wrangell, City of	Total Wrangell	32,700	0	20,000	12,700	0	0	0	0	0	4

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
South West		69,141	0	1,624	67,517	0	0	0	0		
Akiachak Electric Co.	Akiachak									0	0
Akiak, City of	Akiak										
Akutan City of	Akutan	300	0	0	300	0	0	0	0	10	10
Alaska Village Electric Coop	Eek	593	0	0	593	0	0	0	0		
Alaska Village Electric Coop	Goodnews Bay	518	0	0	518	0	0	0	0		
Alaska Village Electric Coop	Kasigluk	499	0	0	499	0	0	0	0		
Alaska Village Electric Coop	Lower/Upper Kalskag	835	0	0	835	0	0	0	0		
Alaska Village Electric Coop	Mekoryuk	577	0	0	577	0	0	0	0		
Alaska Village Electric Coop	New Stuyahok	754	0	0	754	0	0	0	0		
Alaska Village Electric Coop	Nightmute	348	0	0	348	0	0	0	0		
Alaska Village Electric Coop	Nunapitchuk	1,858	0	0	1,858	0	0	0	0		
Alaska Village Electric Coop	Quinhagak	949	0	0	949	0	0	0	0		
Alaska Village Electric Coop	Togiak	1,257	0	0	1,257	0	0	0	0		
Alaska Village Electric Coop	Toksook Bay	823	0	0	823	0	0	0	0		
Alaska Village Electric Coop	Tununak	677	0	0	677	0	0	0	0		
Andreanof Electric	Atka									0	0
Aniak Light & Power Co	Aniak	2,865	0	0	2,865	0	0	0	0	0	1
Atmautluak Joint Util.	Atmautluak									0	0
Bethel Utilities Corp	Bethel	13,600	0	0	13,600	0	0	0	0	6	7
Chignik Electric	Chignik	700	0	0	700	0	0	0	0	0	0
Chignik Lagoon Power Util	Chignik Lagoon										
Chignik Lake Elec.Util	Chignik Lake										
Egegik Light & Power Co	Egegik	526	0	0	526	0	0	0	0	0	0
Ekwok Electric	Ekwok										
False Pass Electric	False Pass	305			305						
G & K	Cold Bay									0	0
Igiugig Electric Co	Igiugig	160	0	0	160	0	0	0	0	0	0
I-N-N Electric Coop Inc	Iliamna	1,560	0	0	1,560	0	0	0	0		
I-N-N Electric Coop Inc	Tazimina	824	0	824	0	0	0	0	0		
King Cove City of	King Cove	2,700	0	800	1,900	0	0	0	0	1	1
Kipnuk Light Plant	Kipnuk (Kanganak)										
Kokhanok Village Council	Kokhanok	375	0	0	375	0	0	0	0	0	0
Koliganek Village Council School	Koliganek										
Kuiggluum Kallugvia (Kwethluk Inc)	Kwethluk									0	0
Kwig Power Co	Kwigillingok	500	0	0	500	0	0	0	0	0	0
Levelock Electric	Levelock										
Lime Village Electric Company	Lime										
Manokotak City of	Manokotak	1,784	0	0	1,784	0	0	0	0	0	0
McGrath Light & Power	McGrath	2,685	0	0	2,685	0	0	0	0	1	0
Middle Kuskokwim Electric Coop	Chuathbaluk										
Middle Kuskokwim Electric Coop	Crooked Creek										
Middle Kuskokwim Electric Coop	Red Devil										
Middle Kuskokwim Electric Coop	Sleetmute										
Middle Kuskokwim Electric Coop	Stony River										
Naknek Electric Assn Inc	Naknek	12,257	0	0	12,257	0	0	0	0	5	3
Napakiak Ircinraq Power Co.	Napakiak									0	0
Napaskiak Electric Utilities	Napaskiak										
Naterkaq Light Plant	Chefornak									0	0

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
South West continued											
Nelson Lagoon Elec. Coop.	Nelson Lagoon									0	0
Newtok (Ungusraq Power Co.)	Newtok										
Nikolai Light & Power	Nikolai										
Nushagak Electric Coop	Dillingham	9,655	0	0	9,655	0	0	0	0	3	3
Pedro Bay Village Council	Pedro Bay	212			212					0	0
Perryville, Village of	Perryville	475	0	0	475	0	0	0	0	0	0
Pilot Point Electrical	Pilot Point										
Platinum, City of	Platinum										
Port Alsworth (Tanalian Electric Coop)	Port Alsworth										
Puvurnaq Power Company	Kongiganak										
Sand Point Electric	Sand Point										
St. George Municiple Electric	St George										
St. Paul Municiple Electric Utilities	St Paul									1	1
Takotna Community Association Utilities	Takotna										
Tuluksak Trad. Power Utilities	Tuluksak										
Tuntutuliak Comm. Services Ass.	Tuntutuliak									0	0
Twin Hills Village Council	Twin Hills										
Umnak Power Company	Nikolski										
Unalaska City of	Dutch Harbor	6,870	0	0	6,870	0	0	0	0		
Unalaska City of	Unalaska	1,100	0	0	1,100	0	0	0	0		
Alaska Village Electric Coop	Total AVEC	9,688	0	0	9,688	0	0	0	0		
I-N-N Electric Coop Inc	Total I-N-N	2,384	0	824	1,560	0	0	0	0	0	1
Middle Kusk. Elec. Coop	Total MKEC										
Unalaska City of	Total Unalaska	7,970	0	0	7,970	0	0	0	0	4	5

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
Yukon		**315,129**	**192,950**	**0**	**68,632**	**53,500**	**0**	**0**	**0**		
Alaska Power & Telephone	Alatna	50	0	0	50	0	0	0	0		
Alaska Power & Telephone	Alcan	387	0	0	387	0	0	0	0		
Alaska Power & Telephone	Allakaket	380	0	0	380	0	0	0	0		
Alaska Power & Telephone	Bettles	650	0	0	650	0	0	0	0		
Alaska Power & Telephone	Chistochina	185	0	0	185	0	0	0	0		
Alaska Power & Telephone	Dot Lake	325	0	0	325	0	0	0	0		
Alaska Power & Telephone	Eagle	477	0	0	477	0	0	0	0		
Alaska Power & Telephone	Healy Lake	105	0	0	105	0	0	0	0		
Alaska Power & Telephone	Mentasta	217	0	0	217	0	0	0	0		
Alaska Power & Telephone	Northway	1,165	0	0	1,165	0	0	0	0		
Alaska Power & Telephone	Tetlin	280	0	0	280	0	0	0	0		
Alaska Power & Telephone	Tok	4,960	0	0	4,960	0	0	0	0		
Alaska Village Electric Coop	Alakanuk	1,199	0	0	1,199	0	0	0	0		
Alaska Village Electric Coop	Andreafsky (see St. Mary's)										
Alaska Village Electric Coop	Anvik	337	0	0	337	0	0	0	0		
Alaska Village Electric Coop	Chevak	1,163	0	0	1,163	0	0	0	0		
Alaska Village Electric Coop	Emmonak	2,152	0	0	2,152	0	0	0	0		
Alaska Village Electric Coop	Grayling	546	0	0	546	0	0	0	0		
Alaska Village Electric Coop	Holy Cross	585	0	0	585	0	0	0	0		
Alaska Village Electric Coop	Hooper Bay	1,814	0	0	1,814	0	0	0	0		
Alaska Village Electric Coop	Huslia	680	0	0	680	0	0	0	0		
Alaska Village Electric Coop	Kaltag	573	0	0	573	0	0	0	0		
Alaska Village Electric Coop	Marshall	655	0	0	655	0	0	0	0		
Alaska Village Electric Coop	Minto	558	0	0	558	0	0	0	0		
Alaska Village Electric Coop	Mountain Village	1,858	0	0	1,858	0	0	0	0		
Alaska Village Electric Coop	Nulato	897	0	0	897	0	0	0	0		
Alaska Village Electric Coop	Pilot Station	942	0	0	942	0	0	0	0		
Alaska Village Electric Coop	Russian Mission	541	0	0	541	0	0	0	0		
Alaska Village Electric Coop	Scammon Bay	728	0	0	728	0	0	0	0		
Alaska Village Electric Coop	Shageluk	292	0	0	295	0	0	0	0		
Alaska Village Electric Coop	St Mary's	2,130	0	0	2,130	0	0	0	0		
Alaska Village Electric Coop	Pitkas Point (See St. Mary's)										
Beaver Joint Utilities	Beaver										
Birch Creek Village Electric	Birch Creek									0	0
Central Electric Utilities	Central									0	0
Chalkyitsik Village Energy System	Chalkyitsik										
Circle Electric Utility	Circle	200			200						
Galena Electric Utility	Galena	6,000	0	0	6,000	0	0	0	0	1	2
Golden Valley Elec Assn	Chena	65,100	28,350	0	8,250	28,500	0	0	0		
Golden Valley Elec Assn	Fairbanks	55,000	35,200	0	19,800	0	0	0	0		
Golden Valley Elec Assn	Healy	27,500	0	0	2,500	25,000	0	0	0		
Golden Valley Elec Assn	North Pole	129,400	129,400	0	0	0	0	0	0		
Gwitchyaa Zhee Utility Co	Fort Yukon	2,395	0	0	2,395	0	0	0	0	0	1
Hughes Power & Light Co	Hughes	323	0	0	323	0	0	0	0	0	0
Kotlik City of	Kotlik	825	0	0	825	0	0	0	0	2	3
Koyukuk (City of)	Koyukuk										
Manley Utility Co Inc	Manley	480	0	0	480	0	0	0	0	0	0
Paxson Lodge	Paxson	790			790					0	0
Ruby (City of)	Ruby										
Sheldon Point (Nunam Iqua)	Sheldon Point	285			285						
Tanana	Tanana									0	0
Venetie Village Electric	Venetie										

Utility Name	Community	Net Capacity	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	Peak Sum	Peak Win
Yukon continued											
Alaska Power & Telephone	Total APC	9,181	0	0	9,131	0	0	0	0		
Alaska Village Electric Coop	Total AVEC	17,650	0	0	17,653	0	0	0	0		
Golden Valley Elec Assn	Total GVEA	277,000	192,950	0	30,550	53,500	0	0	0	146	173
Special Categories											
Alaska Power & Telephone Company	Total APC	36,989	0	9,450	27,489	0	0	0	0	0	0
Alaska Village Electric Coop	State Total	44,015	0	0	44,018	0	0	0	0	11	12
Arctic Northwest	Total AVEC	16,059			16,059						
South Central	Old Harbor	618			618						
South West	Total AVEC	9,688			9,688						
Yukon	Total AVEC	17,650			17,653						
Alaska Railbelt		1,485,902	768,900	187,066	48,836	68,500	101,900	0	310,700	646	866
Alaska Electric G & T * (AEA)	Bradley Lake	126,000	0	126,000	0	0	0	0	0	0	0
Alaska Electric G & T *	Total AEG&T	72,910	72,910	0	0	0	0	0	0	0	0
Chugach Electric Assn	Total CEA	613,039	342,073	16,666	400	15,000	68,900	0	170,000	289	444
Homer Electric Assn	Total HEA	2,300	0	0	2,300	0	0	0	0	64	95
Anchorage, Municipality of	Total MOA	381,303	160,967	44,400	2,236	0	33,000	0	140,700	138	144
Seward City of	Seward	13,350	0	0	13,350	0	0	0	0	9	10
Golden Valley Elec Assn	Total GVEA	277,000	192,950	0	30,550	53,500	0	0	0	146	173

Data comes from several sources, where 2001 data was not available 2000 or 2002 data was used
Community is community served or name of plant
* Wholesale Only

Table 2.1.b 2001 Utility Installed Capacity (KW) by Prime Mover

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
State Totals:		**2,258,905**	**38.0**	**19.6**	**21.1**	**3.0**	**4.5**	**0.0**	**13.8**	-
Arctic Northwest		**106,952**	**18.0**	**0.0**	**81.5**	**0.0**	**0.0**	**0.5**	**0.0**	
South Central		**1,351,937**	**43.3**	**16.4**	**8.7**	**1.1**	**7.5**	**0.0**	**23.0**	
South East		**415,746**	**14.6**	**52.8**	**32.5**	**0.0**	**0.0**	**0.0**	**0.0**	
South West		**69,141**	**0.0**	**2.3**	**97.7**	**0.0**	**0.0**	**0.0**	**0.0**	
Yukon		**315,129**	**61.2**	**0.0**	**21.8**	**17.0**	**0.0**	**0.0**	**0.0**	
Arctic Northwest		**106,952**	**18.0**	**0.0**	**81.5**	**0.0**	**0.0**	**0.5**	**0.0**	
Alaska Village Electric Coop	Ambler	982	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.1
Alaska Village Electric Coop	Brevig Mission	485	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.0
Alaska Village Electric Coop	Elim	632	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.9
Alaska Village Electric Coop	Gambell	1,120	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.0
Alaska Village Electric Coop	Kiana	1,163	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.2
Alaska Village Electric Coop	Kivalina	1,040	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.5
Alaska Village Electric Coop	Koyuk	771	0.0	0.0	100.0	0.0	0.0	0.0	0.0	4.8
Alaska Village Electric Coop	Noatak	982	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.1
Alaska Village Electric Coop	Noorvik	1,163	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.2
Alaska Village Electric Coop	Savoonga	1,246	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.8
Alaska Village Electric Coop	Selawik	1,571	0.0	0.0	100.0	0.0	0.0	0.0	0.0	9.8
Alaska Village Electric Coop	Shaktoolik	632	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.9
Alaska Village Electric Coop	Shishmaref	971	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.0
Alaska Village Electric Coop	Shungnak	1,248	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.8
Alaska Village Electric Coop	St Michael	771	0.0	0.0	100.0	0.0	0.0	0.0	0.0	4.8
Alaska Village Electric Coop	Stebbins	871	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.4
Alaska Village Electric Coop	Wales	411	0.0	0.0	100.0	0.0	0.0	0.0	0.0	2.6
Arctic Utilities (now TDX)	Deadhorse	10,550								-
Barrow Utils & Elec Coop Inc	Barrow	20,300	85.2	0.0	14.8	0.0	0.0	0.0	0.0	-
Buckland, City of	Buckland	0								-
Diomede Joint Utilities	Diomede	0								-
Golovin Power Utilities	Golovin	0								-
Ipnatchiaq Electric Co	Ipnatchiaq (Deering)	453	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Kobuk Valley Electric Company	Kobuk	0								-
Kotzebue Electric Assn	Kotzebue	20,390	9.8	0.0	87.7	0.0	0.0	2.5	0.0	-
Matanuska Electric Assn	Unalakleet	2,370	0.0	0.0	98.7	0.0	0.0	1.3	0.0	-
Nome Joint Utility Systems	Snake River	17,735	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
North Slope Borough	Anaktuvuk Pass	2,245	0.0	0.0	100.0	0.0	0.0	0.0	0.0	12.2
North Slope Borough	Atqusuk	1,350	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.4
North Slope Borough	Kaktovik	4,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	22.3
North Slope Borough	Nuiqsut	3,745	0.0	0.0	100.0	0.0	0.0	0.0	0.0	20.4
North Slope Borough	Point Hope	2,925	0.0	0.0	100.0	0.0	0.0	0.0	0.0	15.9
North Slope Borough	Point Lay	2,035	0.0	0.0	100.0	0.0	0.0	0.0	0.0	11.1
North Slope Borough	Wainwright	1,950	0.0	0.0	100.0	0.0	0.0	0.0	0.0	10.6
Teller Electric	Teller	0								-
White Mountain City of	White Mountain	745	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Alaska Village Elec Coop	Total AVEC	16,059	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
North Slope Borough of	Total NSB	18,350	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
South Central		**1,351,937**	**43.3**	**16.4**	**8.7**	**1.1**	**7.5**	**0.0**	**23.0**	
Akhiok, City of	Akhiok									-
Alaska Electric G & T * (AEA)	Bradley Lake	126,000	0.0	100.0	0.0	0.0	0.0	0.0	0.0	-
Alaska Electric G & T *	Soldotna	37,910	100.0	0.0	0.0	0.0	0.0	0.0	0.0	-
Alaska Electric G & T *	Nikiski	35,000	100.0	0.0	0.0	0.0	0.0	0.0	0.0	-
Alaska Village Elec Coop	Old Harbor	618	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Alutiiq Power Company	Karluk									-
Anchorage, Municipality of	Anchorage	70,556	96.8	0.0	3.2	0.0	0.0	0.0	0.0	18.5
Anchorage, Municipality of	Eklutna	44,400	0.0	100.0	0.0	0.0	0.0	0.0	0.0	11.6
Anchorage, Municipality of	George M Sullivan	266,347	34.8	0.0	0.0	0.0	12.4	0.0	52.8	69.9
Chenega Bay IRA Village Council	Chenega Bay									
Chitina Electric Assn.	Chitina	400	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.1
Chugach Electric Assn	Beluga	430,104	44.5	0.0	0.0	0.0	16.0	0.0	39.5	70.2
Chugach Electric Assn	Bernice Lake	96,375	100.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7
Chugach Electric Assn	Cooper Lake	16,666	0.0	100.0	0.0	0.0	0.0	0.0	0.0	2.7
Chugach Electric Assn	Homer	400	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.1
Chugach Electric Assn	International	54,494	100.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
Chugach Electric Assn	Knik Arm	15,000	0.0	0.0	0.0	100.0	0.0	0.0	0.0	2.4
Copper Valley Elec	Glennallen	8,927	0.0	0.0	100.0	0.0	0.0	0.0	0.0	24.8
Copper Valley Elec (FDPPA)	Solomon Gulch	12,000	0.0	100.0	0.0	0.0	0.0	0.0	0.0	33.3
Copper Valley Elec	Valdez Co-Gen	15,102	51.6	0.0	48.4	0.0	0.0	0.0	0.0	41.9
Cordova Electric Coop	Eyak	8,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	48.9
Cordova Electric Coop	Humpback Creek	1,250	100.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Cordova Electric Coop	Orca	7,203	0.0	0.0	100.0	0.0	0.0	0.0	0.0	43.5
Cordova Electric Coop	Power Cr.									0.0
Homer Electric Assn	Port Graham	200	0.0	0.0	100.0	0.0	0.0	0.0	0.0	8.7
Homer Electric Assn	Seldovia	2,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	91.3
Kodiak Electric Assn	Kodiak	49,475	0.0	0.0	100.0	0.0	0.0	0.0	0.0	59.6
Kodiak Electric Assn	Nymans Plant	10,000	0.0	0.0	100.0	0.0	0.0	0.0	0.0	12.0
Kodiak Electric Assn	Port Lions	1,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.3
Kodiak Electric Assn (FDPPA)	Terror Lake	22,500	0.0	100.0	0.0	0.0	0.0	0.0	0.0	27.1
Larsen Bay City of (AEA)	Kato	475	0.0	100.0	0.0	0.0	0.0	0.0	0.0	-
Matanuska Electric Assn	Talkeetna	5,000	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Ouzinkie City of	Ouzinkie	885	0.0	15.3	84.7	0.0	0.0	0.0	0.0	-
Seward City of	Seward	13,350	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Tatitlek Electric Utilities	Tatitlek									-
Alaska Electric G & T *	Total AEG&T	72,910.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	
Anchorage, Municipality of	Total MOA	381,303.0	42.2	11.6	0.6	0.0	8.7	0.0	36.9	
Chugach Electric Assn	Total CEA	613,039	55.8	2.7	0.1	2.4	11.2	0.0	27.7	-
Copper Valley Electric	Total CVEA	36,029	21.6	33.3	45.0	0.0	0.0	0.0	0.0	-
Cordova Electric Coop	Total CEC	16,553	7.6	0.0	92.4	0.0	0.0	0.0	0.0	-
Homer Electric Assn	Total HEA	2,300	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Kodiak Electric Assn	Total KEA	83,075	0.0	27.1	72.9	0.0	0.0	0.0	0.0	-

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
South-East		**415,746**	**14.6**	**52.8**	**32.5**	**0.0**	**0.0**	**0.0**	**0.0**	
Alaska Electric Light & Power	Annex Creek	3,600	0.0	100.0	0.0	0.0	0.0	0.0	0.0	1.7
Alaska Electric Light & Power	Auke Bay	28,300	91.2	0.0	8.8	0.0	0.0	0.0	0.0	13.2
Alaska Electric Light & Power	Gold Creek	10,100	0.0	15.8	84.2	0.0	0.0	0.0	0.0	4.7
Alaska Electric Light & Power	Lemon Creek	57,500	60.9	0.0	39.1	0.0	0.0	0.0	0.0	26.8
Alaska Electric Light & Power	Salmon Creek	12,300	0.0	100.0	0.0	0.0	0.0	0.0	0.0	5.7
Alaska Electric Light & Power	Snettisham	102,810	0.0	100.0	0.0	0.0	0.0	0.0	0.0	47.9
Alaska Power & Telephone	Black Bear Lake	4,500	0.0	100.0	0.0	0.0	0.0	0.0	0.0	16.2
Alaska Power & Telephone	Coffman Cove	740	0.0	0.0	100.0	0.0	0.0	0.0	0.0	2.7
Alaska Power & Telephone	Craig	4,470	0.0	0.0	100.0	0.0	0.0	0.0	0.0	16.1
Alaska Power & Telephone	Goat Lake	4,000	0.0	100.0	0.0	0.0	0.0	0.0	0.0	14.4
Alaska Power & Telephone	Haines	7,445	0.0	0.0	100.0	0.0	0.0	0.0	0.0	26.8
Alaska Power & Telephone	Hollis	355	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.3
Alaska Power & Telephone	Hydaburg	1,020	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.7
Alaska Power & Telephone	Naukati	533	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.9
Alaska Power & Telephone	Skagway	3,450	0.0	27.5	72.5	0.0	0.0	0.0	0.0	12.4
Alaska Power & Telephone	Viking Lumber	1,000	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.6
Alaska Power & Telephone	Whale Pass	295	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.1
Elfin Cove Electric Utilities	Elfin Cove									-
Gustavus Electric Co.	Gustavus									-
Hoonah City of	Hoonah	600	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Ketchikan, City of	Beaver Falls	6,400	0.0	100.0	0.0	0.0	0.0	0.0	0.0	10.0
Ketchikan, City of	Ketchikan	5,100	0.0	82.4	17.6	0.0	0.0	0.0	0.0	8.0
Ketchikan, City of	S W Bailey	25,950	0.0	0.0	100.0	0.0	0.0	0.0	0.0	40.5
Ketchikan, City of	Silvis	2,100	0.0	100.0	0.0	0.0	0.0	0.0	0.0	3.3
Ketchikan, City of (FDPPA)	Swan Lake	22,500	0.0	100.0	0.0	0.0	0.0	0.0	0.0	35.1
Ketchikan, City of	Totem Bight	2,000	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.1
Larsen Bay City of	Cummins	600	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Metlakatla Power & Light	Centennial	3,300	0.0	0.0	100.0	0.0	0.0	0.0	0.0	40.0
Metlakatla Power & Light	Chester Lake	1,042	0.0	100.0	0.0	0.0	0.0	0.0	0.0	12.6
Metlakatla Power & Light	Purple Lake	3,900	0.0	100.0	0.0	0.0	0.0	0.0	0.0	47.3
Pelican Utility District	Pelican	2,660	0.0	45.1	54.9	0.0	0.0	0.0	0.0	48.7
Pelican Utility District	Sand Point	2,800	0.0	0.0	100.0	0.0	0.0	0.0	0.0	51.3
Petersburg City of	Petersburg	10,600	0.0	22.6	77.4	0.0	0.0	0.0	0.0	-
Sitka City of & Borough of	Blue Lake	7,540	0.0	100.0	0.0	0.0	0.0	0.0	0.0	21.6
Sitka City of & Borough of	Green Lake	18,600	0.0	100.0	0.0	0.0	0.0	0.0	0.0	53.4
Sitka City of & Borough of	Halibut Point	1,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.2
Sitka City of & Borough of	Indian River	7,600	0.0	0.0	100.0	0.0	0.0	0.0	0.0	21.8
Tenakee Springs City of	Tenakee	250	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Thorne Bay City of	Thorne Bay	2,025	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Tlingit & Haida Region Electric Authority	Angoon	1,830	0.0	0.0	100.0	0.0	0.0	0.0	0.0	17.5
Tlingit & Haida Region Electric Authority	Chilkat Valley	1,165	0.0	0.0	100.0	0.0	0.0	0.0	0.0	11.1
Tlingit & Haida Region Electric Authority	Hoonah	2,455	0.0	0.0	100.0	0.0	0.0	0.0	0.0	23.5
Tlingit & Haida Region Electric Authority	Kake	3,385	0.0	0.0	100.0	0.0	0.0	0.0	0.0	32.4
Tlingit & Haida Region Electric Authority	Kasaan	246	0.0	0.0	100.0	0.0	0.0	0.0	0.0	2.4
Tlingit & Haida Region Electric Authority	Klawock	1,375	0.0	0.0	100.0	0.0	0.0	0.0	0.0	13.2
Wrangell, City of	Wrangell	12,700	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Wrangell, City of (FDPPA)	Wrangell (Tyee Lake)	20,000	0.0	100.0	0.0	0.0	0.0	0.0	0.0	-
Yakutat Power Inc	Yakutat	3,505	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Alaska Electric Light & Power	Total AEL&P	214,610	28.3	56.1	15.6	0.0	0.0	0.0	0.0	-
Alaska Power & Telephone	Total APC	27,808	0.0	34.0	66.0	0.0	0.0	0.0	0.0	-
Ketchikan, City of	Total Ketchikan	64,050	0.0	55.0	45.0	0.0	0.0	0.0	0.0	-
Metlakatla Power & Light	Total MP&L	8,242	0.0	60.0	40.0	0.0	0.0	0.0	0.0	-
Pelican Utility District	Total Pelican	5,460	0.0	22.0	78.0	0.0	0.0	0.0	0.0	-
Sitka City of & Borough of	Total Sitka	34,840	0.0	75.0	25.0	0.0	0.0	0.0	0.0	-
Tlingit & Haida Region Electric Authority	Total T&HREA	10,456	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Wrangell, City of	Total Wrangell	32,700	0.0	61.2	38.8	0.0	0.0	0.0	0.0	-

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
South-West		**69,141**	**0.0**	**2.3**	**97.7**	**0.0**	**0.0**	**0.0**	**0.0**	
Akiachak Electric Co.	Akiachak									-
Akiak, City of	Akiak									-
Akutan City of	Akutan	300	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Alaska Village Electric Coop	Eek	593	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.1
Alaska Village Electric Coop	Goodnews Bay	518	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.3
Alaska Village Electric Coop	Kasigluk	499	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.2
Alaska Village Electric Coop	Lower/Upper Kalskag	835	0.0	0.0	100.0	0.0	0.0	0.0	0.0	8.6
Alaska Village Electric Coop	Mekoryuk	577	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.0
Alaska Village Electric Coop	New Stuyahok	754	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.8
Alaska Village Electric Coop	Nightmute	348	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.6
Alaska Village Electric Coop	Nunapitchuk	1,858	0.0	0.0	100.0	0.0	0.0	0.0	0.0	19.2
Alaska Village Electric Coop	Quinhagak	949	0.0	0.0	100.0	0.0	0.0	0.0	0.0	9.8
Alaska Village Electric Coop	Togiak	1,257	0.0	0.0	100.0	0.0	0.0	0.0	0.0	13.0
Alaska Village Electric Coop	Toksook Bay	823	0.0	0.0	100.0	0.0	0.0	0.0	0.0	8.5
Alaska Village Electric Coop	Tununak	677	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.0
Andreanof Electric	Atka									-
Aniak Light & Power Co	Aniak	2,865	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Atmautluak Joint Util.	Atmautluak									-
Bethel Utilities Corp	Bethel	13,600	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Chignik Electric	Chignik	700	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Chignik Lagoon Power Util	Chignik Lagoon									-
Chignik Lake Elec.Util	Chignik Lake									-
Egegik Light & Power Co	Egegik	526	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Ekwok Electric	Ekwok									-
False Pass Electric	False Pass	305	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
G & K	Cold Bay									-
Igiugig Electric Co	Igiugig	160	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
I-N-N Electric Coop Inc	Iliamna	1,560	0.0	0.0	100.0	0.0	0.0	0.0	0.0	65.4
I-N-N Electric Coop Inc	Tazimina	824	0.0	100.0	0.0	0.0	0.0	0.0	0.0	34.6
King Cove City of	King Cove	2,700	0.0	29.6	70.4	0.0	0.0	0.0	0.0	-
Kipnuk Light Plant	Kipnuk (Kanganak)									-
Kokhanok Village Council	Kokhanok	375	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Koliganek Village Council School	Koliganek									-
Kuiggluum Kallugvia (Kwethluk Inc)	Kwethluk									-
Kwig Power Co	Kwigillingok	500	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Levelock Electric	Levelock									-
Lime Village Electric Company	Lime									-
Manokotak City of	Manokotak	1,784	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
McGrath Light & Power	McGrath	2,685	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Middle Kuskokwim Electric Coop	Chuathbaluk									-
Middle Kuskokwim Electric Coop	Crooked Creek									-
Middle Kuskokwim Electric Coop	Red Devil									-
Middle Kuskokwim Electric Coop	Sleetmute									-
Middle Kuskokwim Electric Coop	Stony River									-
Naknek Electric Assn Inc	Naknek	12,257	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Napakiak Ircinraq Power Co.	Napakiak									-
Napaskiak Electric Utilities	Napaskiak									-
Naterkaq Light Plant	Chefornak									-
Nelson Lagoon Elec. Coop.	Nelson Lagoon									-
Newtok (Ungusraq Power Co.)	Newtok									-
Nikolai Light & Power	Nikolai									-
Nushagak Electric Coop	Dillingham	9,655	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Pedro Bay Village Council	Pedro Bay	212	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Perryville, Village of	Perryville	475	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Pilot Point Electrical	Pilot Point									-

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
South West continued										
Platinum, City of	Platinum									-
Port Alsworth (Tanalian Electric Coop)	Port Alsworth									-
Puvurnaq Power Company	Kongiganak									-
Sand Point Electric	Sand Point									-
St. George Municiple Electric	St George									-
St. Paul Municiple Electric Utilities	St Paul									-
Takotna Community Association Utilities	Takotna									-
Tuluksak Trad. Power Utilities	Tuluksak									-
Tuntutuliak Comm. Services Ass.	Tuntutuliak									-
Twin Hills Village Council	Twin Hills									-
Umnak Power Company	Nikolski									-
Unalaska City of	Dutch Harbor	6,870	0.0	0.0	100.0	0.0	0.0	0.0	0.0	86.2
Unalaska City of	Unalaska	1,100	0.0	0.0	100.0	0.0	0.0	0.0	0.0	13.8
Alaska Village Electric Coop	Total AVEC	9,688	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
I-N-N Electric Coop Inc	Total I-N-N	2,384	0.0	34.6	65.4	0.0	0.0	0.0	0.0	-
Middle Kusk. Elec. Coop	Total MKEC									-
Unalaska City of	Total Unalaska	7,970	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-

UTILITY NAME	Plant Name	Net Capacity	% Gas Turbine	% Hydro	% Internal Combustion	% Steam Turbine	% Combined Cycle Steam	% Wind Turbine	% Combined Cycle Combustion	Plant as % of Utility Total
Yukon		**315,129**	**61.2**	**0.0**	**21.8**	**17.0**	**0.0**	**0.0**	**0.0**	
Alaska Power & Telephone	Alatna	50	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.5
Alaska Power & Telephone	Alcan	387	0.0	0.0	100.0	0.0	0.0	0.0	0.0	4.2
Alaska Power & Telephone	Allakaket	380	0.0	0.0	100.0	0.0	0.0	0.0	0.0	4.1
Alaska Power & Telephone	Bettles	650	0.0	0.0	100.0	0.0	0.0	0.0	0.0	7.1
Alaska Power & Telephone	Chistochina	185	0.0	0.0	100.0	0.0	0.0	0.0	0.0	2.0
Alaska Power & Telephone	Dot Lake	325	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.5
Alaska Power & Telephone	Eagle	477	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.2
Alaska Power & Telephone	Healy Lake	105	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.1
Alaska Power & Telephone	Mentasta	217	0.0	0.0	100.0	0.0	0.0	0.0	0.0	2.4
Alaska Power & Telephone	Northway	1,165	0.0	0.0	100.0	0.0	0.0	0.0	0.0	12.7
Alaska Power & Telephone	Tetlin	280	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.0
Alaska Power & Telephone	Tok	4,960	0.0	0.0	100.0	0.0	0.0	0.0	0.0	54.0
Alaska Village Electric Coop	Alakanuk	1,199	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.8
Alaska Village Electric Coop	Anvik	337	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.9
Alaska Village Electric Coop	Chevak	1,163	0.0	0.0	100.0	0.0	0.0	0.0	0.0	6.6
Alaska Village Electric Coop	Emmonak	2,152	0.0	0.0	100.0	0.0	0.0	0.0	0.0	12.2
Alaska Village Electric Coop	Grayling	546	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.1
Alaska Village Electric Coop	Holy Cross	585	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.3
Alaska Village Electric Coop	Hooper Bay	1,814	0.0	0.0	100.0	0.0	0.0	0.0	0.0	10.3
Alaska Village Electric Coop	Huslia	680	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.9
Alaska Village Electric Coop	Kaltag	573	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.2
Alaska Village Electric Coop	Marshall	655	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.7
Alaska Village Electric Coop	Minto	558	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.2
Alaska Village Electric Coop	Mountain Village	1,858	0.0	0.0	100.0	0.0	0.0	0.0	0.0	10.5
Alaska Village Electric Coop	Nulato	897	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.1
Alaska Village Electric Coop	Pilot Station	942	0.0	0.0	100.0	0.0	0.0	0.0	0.0	5.3
Alaska Village Electric Coop	Russian Mission	541	0.0	0.0	100.0	0.0	0.0	0.0	0.0	3.1
Alaska Village Electric Coop	Scammon Bay	728	0.0	0.0	100.0	0.0	0.0	0.0	0.0	4.1
Alaska Village Electric Coop	Shageluk	292	0.0	0.0	101.0	0.0	0.0	0.0	0.0	1.7
Alaska Village Electric Coop	St Mary's	2,130	0.0	0.0	100.0	0.0	0.0	0.0	0.0	12.1
Alaska Village Electric Coop	Pitkas Point (See St. Mary's)									-
Beaver Joint Utilities	Beaver									-
Birch Creek Village Electric	Birch Creek									-
Central Electric Utilities	Central									-
Chalkyitsik Village Energy System	Chalkyitsik									-
Circle Electric Utility	Circle	200	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Galena Electric Utility	Galena	6,000	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Golden Valley Elec Assn	Chena	65,100	43.5	0.0	12.7	43.8	0.0	0.0	0.0	23.5
Golden Valley Elec Assn	Fairbanks	55,000	64.0	0.0	36.0	0.0	0.0	0.0	0.0	19.9
Golden Valley Elec Assn	Healy	27,500	0.0	0.0	9.1	90.9	0.0	0.0	0.0	9.9
Golden Valley Elec Assn	North Pole	129,400	100.0	0.0	0.0	0.0	0.0	0.0	0.0	46.7
Gwitchyaa Zhee Utility Co	Fort Yukon	2,395	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Hughes Power & Light Co	Hughes	323	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Kotlik City of	Kotlik	825	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Koyukuk (City of)	Koyukuk									-
Manley Utility Co Inc	Manley	480	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Paxson Lodge	Paxson	790								-
Ruby (City of)	Ruby									-
Sheldon Point (Nunam Iqua)	Sheldon Point	285	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Tanana	Tanana									-
Venetie Village Electric	Venetie									-
Alaska Power & Telephone	Total APC	9,181	0.0	0.0	99.5	0.0	0.0	0.0	0.0	-
Alaska Village Electric Coop	Total AVEC	17,650	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-
Golden Valley Elec Assn	Total GVEA	277,000	69.7	0.0	11.0	19.3	0.0	0.0	0.0	-

Data comes from several sources, where 2001 data was not available 2000 or 2002 data was used
Community is community served or name of plant

* Wholesale Only

Table 2.2a 2001 Utility Net Generation and Total Disposition (in MWh)

Utility Name		Community	Net Generation + Purchased Utilities=Total Disposition: Net Generation	Purchased Utilities	Total Disposition	Sum of Values = Total Disposition: Sales To Consumers	Sales For Resale	Furnished w/out Payment	Used By Facility	Energy Loss
State Totals:			5,077,186	3,074,342	8,150,618	5,429,642	2,312,895	419	30,427	377,346
Arctic Northwest			168,452	0	168,452	156,650	0	11	2,161	9,630
South Central			3,557,379	2,312,459	5,867,496	3,280,812	2,309,839	6	9,957	266,882
South East			293,750	403,750	697,500	659,833	0	111	7,183	30,484
South West			138,957	80	139,037	126,551	754	256	2,292	9,184
Yukon			792,118	357,216	1,149,334	1,087,257	33	35	5,808	56,201
Alaska Power Company *			66,588	837	68,857	61,342	2,269	-	1,594	3,652
Alaska Village Elec Coop, Inc *			59,942	0	59,942	57,197	0	0	1,432	1,313
Arctic Northwest			**168,452**	**0**	**168,452**	**156,650**	**0**	**11**	**2,161**	**9,630**
Arctic Utilities, Inc		Deadhorse	27,743	0	27,743	25,079	0	0	507	2,157
Barrow Utils & Elec Coop, Inc		Barrow	49,747	0	49,747	48,196	0	0	0	1,551
Diomede Joint Utilities		Diomede								
Ipnatchiaq Electric Company		Deering	700	0	700	634	0	11	0	55
Kotzebue Electric Assn, Inc		Kotzebue	21,832	0	21,832	20,155	0	0	544	1,133
Nome Joint Utility Systems		Nome	28,752	0	28,752	26,190	0	0	935	1,627
North Slope, Borough of		North Slope	34,000	0	34,000	31,100	0	0	0	2,900
Teller Power Company, Inc		Teller	787	0	787	710	0	0	41	36
Unalakleet Valley Elec Coop		Unalakleet	4,144	0	4,144	3,914	0	0	67	163
White Mountain, City of		White Mountain	747	0	747	672	0	0	67	8
South Central			**3,557,379**	**2,312,459**	**5,867,496**	**3,280,812**	**2,309,839**	**6**	**9,957**	**266,882**
Alaska Electric G & T Coop Inc		MEA/HEA	38,544	493,608	532,152	0	532,152	0	0	0
Alaska Energy Authority	a	Ak State	547,574	0	547,574	0	547,574	0	0	0
Anchorage, City of	b	Anchorage	836,709	147,041	983,750	879,742	73,043	0	0	30,965
Chitina Electric, Inc		Valdez Cordova	454	0	454	404	0	6	7	37
Chugach Electric Assn, Inc	c	Anchorage/Kenai Pen.	2,028,345	375,076	2,401,079	1,112,183	1,157,070	0	5,067	126,759
Copper Valley Elec Assn, Inc	d	Valdez/Cordova/Copper	33,169	48,016	81,185	75,648	0	0	244	5,293
Cordova Electric Coop, Inc		Cordova	23,473	0	23,473	21,847	0	0	0	1,626
Homer Electric Assn, Inc	e	Kenai Pen.	491	532,152	532,643	476,823	0	0	1,811	54,009
Kodiak Electric Assn, Inc	f	Kodiak Island Borough	41,577	89,477	131,054	125,347	0	0	333	5,374
Larsen Bay, City of		Kodiak Island	849	0	849	477	0	0	0	372
Matanuska Electric Assn Inc	g	Anchorage/Mat-Su	4,143	566,994	571,137	532,312	0	0	2,486	36,339
Ouzinkie, City of		Ouzinkie	800	0	800	653	0	0	0	147
Seward, City of	h	Kenai Pen.	778	60,095	60,873	54,940	0	0	0	5,933
Tatitlek Electric Utility		Tatitlek	473	0	473	436	0	0	9	28

		Net Generation + Purchased Utilities=Total Disposition			Sum of Values = Total Disposition				
Utility Name	Community	Net Generation	Purchased Utilities	Total Disposition	Sales To Consumers	Sales For Resale	Furnished w/out Payment	Used By Facility	Energy Loss
South East		**293,750**	**403,750**	**697,500**	**659,833**	**0**	**111**	**7,183**	**30,484**
Alaska Electric Light & Power Co i	Juneau	57,015	265,744	322,759	307,737	0	0	3,090	11,932
Elfin Cove, City of	Elfin Cove	360	0	360	326	0	0	23	11
Gustavus Electric, Inc	Gustavus	1,603	0	1,603	1,489	0	0	0	114
Ketchikan, City of j	Ketchikan	85,055	81,079	166,134	158,604	0	0	159	7,371
Metlakatla Power & Light	Metlakatla	15,327	0	15,327	13,996	0	111	156	1,175
Pelican Utility, Inc	Pelican	2,260	0	2,260	2,018	0	0	0	242
Petersburg, City of k	Petersburg	14,065	27,961	42,026	36,746	0	0	1,184	4,096
Sitka, City & Borough of	Sitka	96,975	0	96,975	92,177	0	0	1,495	3,303
Tenakee Springs, City of	Tenakee Springs	453	0	453	390	0	0	5	58
Thorne Bay, City of l	Thorne Bay	1	2,571	2,572	2,060	0	0	0	512
Tlingit & Haida Region El Auth	Multiple	12,134	1,557	13,691	12,211	0	0	235	1,245
Wrangell, City of m	Wrangell	711	24,838	25,549	24,766	0	0	667	116
Yakutat Power, Inc	Yakutat	7,791	0	7,791	7,313	0	0	169	309
South West		**138,957**	**80**	**139,037**	**126,551**	**754**	**256**	**2,292**	**9,184**
Akiachak Native Community Elec	Akiachak	1,235	0	1,235	1,037	0	0	0	198
Akutan, City of	Akutan	400	0	400	400	0	0	0	0
Andreanof Electric Corporation	Atka	329	0	329	315	0	0	0	14
Aniak Light & Power Co, Inc	Aniak	2,584	0	2,584	2,165	0	52	33	334
Atmautluak Tribal Utilities	Atmautluak	853	0	853	598	0	92	33	130
Bethel Utilities Corporation	Bethel	41,254	0	41,254	37,550	754	0	540	2,410
Chefornak, City of	Chefornak	891	0	891	593	0	64	20	214
Chignik, City of	Chignik	656	0	656	595	0	0	15	46
Egegik Light & Power Company	Egegik	821	0	821	736	0	0	12	73
G & K, Inc	Cold Bay	2,819	0	2,819	2,687	0	0	0	132
Igiugig Electric Company	Igiugig	236	0	236	214	0	0	9	13
I-N-N Electric Coop, Inc	Iliamna	2,300	0	2,300	2,100	0	0	0	200
King Cove, City of	King Cove	3,200	0	3,200	3,200	0	0	0	0
Kokhanok Village Council	Kokhanok	302	0	302	244	0	0	10	48
Kuiggluum Kallugvia	Kwethluk	1,354	0	1,354	1,227	0	0	0	127
Kwig Power Company	Kwigillingok/Kuskokwim	659	0	659	618	0	9	23	9
Manokotak, City of	Manokotak	883	0	883	883	0	0	0	0
McGrath Light & Power Company	McGrath	3,085	0	3,085	2,837	0	0	150	98
Middle Kuskokwim Elec Coop Inc	Red Devil	979	0	979	856	0	0	0	123
Naknek Electric Assn, Inc	Naknek	20,136	0	20,136	18,560	0	0	18	1,558
Napakiak Ircinraq Power Co	Napakiak	671	0	671	566	0	20	0	85
Native Village of Perryville	Perryville	425	0	425	369	0	0	22	34
Nelson Lagoon Elec Coop, Inc	Nelson Lagoon	394	0	394	394	0	0	0	0
Nushagak Electric Coop, Inc	Dillingham	17,483	0	17,483	16,325	0	0	90	1,068
Pedro Bay Village Council	Pedro Bay	258	0	258	252	0	0	0	6
Saint Paul, City of	St. Paul	4,091	0	4,091	3,476	0	0	0	615
Tuntutuliak Comm Services Assn	Tuntutuliak	759	0	759	657	0	19	50	33
Unalaska, City of n	Unalaska	29,900	80	29,980	27,097	0	0	1,267	1,616

		Net Generation + Purchased Utlities=Total Disposition			Sum of Values = Total Disposition				
Utility Name	Community	Net Generation	Purchased Utilities	Total Disposition	Sales To Consumers	Sales For Resale	Furnished w/out Payment	Used By Facility	Energy Loss
Yukon		**792,118**	**357,216**	**1,149,334**	**1,087,257**	**33**	**35**	**5,808**	**56,201**
Birch Creek Village Elec Util	Birch Creek	120	0	120	108	0	0	2	10
Central Electric, Inc	Central	732	0	732	732	0	0	0	0
Galena Electric Utility	Galena	9,425	0	9,425	8,170	0	0	248	1,007
Golden Valley Elec Assn Inc o	Denali/Fairbanks N.Star	774,271	357,216	1,131,487	1,071,392	33	0	5,475	54,587
Gwitchyaa Zhee Utility Company	Ft. Yukon	2,400	0	2,400	2,267	0	0	0	133
Hughes Power & Light Co	Hughes	173	0	173	173	0	0	0	0
Kotlik, City of	Kotlik	1,300	0	1,300	1,265	0	35	0	0
Manley Utility Company, Inc	Manley	280	0	280	244	0	0	0	36
Paxson Inn & Lodge	Paxson Lodge	2,014	0	2,014	1,680	0	0	0	334
Tanana Power Company, Inc	Tanana	1,403	0	1,403	1,226	0	0	83	94
Special Categories									
Railbelt		2,620,502	2,027,925	4,646,085	2,176,835	2,236,796	6	9,371	223,077
Alaska Electric G & T Coop Inc	MEA/HEA	38,544	493,608	532,152	0	532,152	0	0	0
Alaska Energy Authority	Ak State	547,574	0	547,574	0	547,574	0	0	0
Chitina Electric, Inc	Valdez Cordova	454	0	454	404	0	6	7	37
Chugach Electric Assn, Inc	Anchorage/Kenai Pen.	2,028,345	375,076	2,401,079	1,112,183	1,157,070	0	5,067	126,759
Homer Electric Assn, Inc	Seward	491	532,152	532,643	476,823	0	0	1,811	54,009
Matanuska Electric Assn Inc	Anchorage/Mat-Su	4,143	566,994	571,137	532,312	0	0	2,486	36,339
Seward, City of	Kenai Pen.	778	60,095	60,873	54,940	0	0	0	5,933
Hughes Power & Light Co	Hughes	173	0	173	173	0	0	0	0

* These utilities span more than one region and are excluded from the regional totals.

NOTES ON PURCHASED POWER

a Bradley Lake
b Eklutna Lake hydro
c Purchases most of the Bradley Lake power for resale
d Purchases Solomon Gulch hydro
e Cooperative member of AEG&T
f Purchases Terror Lake hydro
g Generation is shares of Eklutna and Bradley Lake, cooperative member of AEG&T
h All power from Chugach
I Purchases Snettisham hyrdo
j Purchases Swan Lake hydro
k Purchases Tyee Lake hydro
l Power from Alaska Power & Telephone
m Purchases Tyee Lake hydro
n Some wind power owned by MEA
o Purchases from Aurora Energy and AML&P,Chugach and Bradley lake shares via Intertie

Table 2.3a 2001 Utility Net Generation by Prime Mover (MWh)

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
State Total		**1,724,844**	**1,361,093**	**477,814**	**194,287**	**462,241**	**950**	**1,425,061**	**5,646,290**
Arctic Northwest		50,493	0	127,719	0	0	950	0	**179,162**
South Central		1,093,033	696,909	83,841	0	462,241	0	1,425,061	**3,761,085**
South East		1,033	664,184	39,251	0	0	0	0	**704,468**
South West		0	0	167,057	0	0	0	0	**167,057**
Yukon		580,285	0	59,947	194,287	0	0	0	**834,519**
Arctic Northwest		**50,493**	**0**	**127,719**	**0**	**0**	**950**	**0**	**179,162**
Alaska Village Electric Coop	Ambler			1,114					
Alaska Village Electric Coop	Brevig Mission			653					
Alaska Village Electric Coop	Elim			1,023					
Alaska Village Electric Coop	Gambell			1,941					
Alaska Village Electric Coop	Kiana			1,376					
Alaska Village Electric Coop	Kivalina			1,088					
Alaska Village Electric Coop	Koyuk			1,140					
Alaska Village Electric Coop	Noatak			1,436					
Alaska Village Electric Coop	Noorvik			1,768					
Alaska Village Electric Coop	Savoonga			1,801					
Alaska Village Electric Coop	Selawik			2,362					
Alaska Village Electric Coop	Shaktoolik			816					
Alaska Village Electric Coop	Shishmaref			1,610					
Alaska Village Electric Coop	Shungnak			1,376					
Alaska Village Electric Coop	St. Michael			1,153					
Alaska Village Electric Coop	Stebbins			1,446					
Alaska Village Electric Coop	Wales			551					
Arctic Utilities (TDX)	Deadhorse			25,601					
Barrow Utils & Elec Coop	Barrow	50,493							
Buckland, City of	Buckland			897					
Diomede Joint Utilities	Diomede			549					
Golovin Power Utilities	Golovin			531					
Ipnatchiaq Electric Company	Deering			661					
Kobuk Valley Electric Company	Kobuk Valley			330					
Kotzebue Electric Assn	Kotzebue			20,882			950		
Kotzebue Electric Assn	Kotzebue								
Nome (Joint City of)	Snake River			27,837					
North Slope Borough	Anaktuvuk Pass			3,421					
North Slope Borough	Atqasuk			3,214					
North Slope Borough	Kaktovik			1,844					
North Slope Borough	Nuiqsut			4,665					
North Slope Borough	Point Hope			2,861					
North Slope Borough	Point Lay			3,504					
North Slope Borough	Wainwright			2,598					
Teller Power Company	Teller			738					
Unalakleet Valley Elec Co	Unalakleet			4,144					
White Mountain Utilities	White Mountain			789					
Alaska Village Electric Coop	All Locations			22,654					**22,654**
North Slope Borough	All Locations			22,107					**22,107**

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
South Central		**1,093,033**	**696,909**	**83,841**		**462,241**		**1,425,061**	**3,761,085**
Alaska Electric G & T Coop Inc	Nikiski	173,210							
Alaska Energy Authority	State Agency		345,681						
Akhiok, City of	Akhiok			202					
Alaska Village Electric Coop	Old Harbor			709					
Alutiiq Power Company	Karluk			174					
Anchorage Mun Light & Power	Anchorage	209							
Anchorage Mun Light & Power	Anchorage	22,648							
Anchorage Mun Light & Power	Anchorage			9					
Anchorage Mun Light & Power	Eklutna		146,252						
Anchorage Mun Light & Power	GMS NO 2					163,072			
Anchorage Mun Light & Power	GMS NO 2							353	
Anchorage Mun Light & Power	GMS NO 2							547,401	
Anchorage Mun Light & Power	GMS NO 2	95,767							
Chenega Bay IRA Village Council	Chenega Bay			299					
Chitina Electric Inc.	Chitina			402					
Chugach Electric Assn	Beluga					299,169			
Chugach Electric Assn	Beluga							877,307	
Chugach Electric Assn	Beluga	682,603							
Chugach Electric Assn	Bernice Lake	114,102							
Chugach Electric Assn	Cooper Lake		59,447						
Chugach Electric Assn	International	2,035							
City of Seward	Seward			778					
Copper Valley Electric Assn.	Glenallen			16,413					
Copper Valley Electric Assn. (FDPPA)	Solomon Gulch		50,788						
Copper Valley Electric Assn.	Valdez	2,459							
Copper Valley Electric Assn.	Valdez			141					
Cordova Electric Coop Inc	Humpback Creek		2,623						
Cordova Electric Coop Inc	Orca			20,795					
Cordova Electric Coop Inc	Power Creek		263						
Homer Electric Assn Inc	Seldovia			491					
Kodiak Electric Assn Inc	Kodiak			41,633					
Kodiak Electric Assn Inc (FDPPA)	Terror Lake		91,855						
Larsen Bay Utility Company	Larsen Bay			642					
Ouzinkie, City of	Ouzinkie			681					
Tatitlek Elec. Util.	Tatitlek			473					
Anchorage Mun Light & Pow	All Locations	118,624	146,252	9		163,072		547,754	**975,711**
Chugach Electric Assn Inc	All Locations	798,740	59,447			299,169		877,307	**2,034,663**
Copper Valley Electric As	All Locations	2,459	50,788	16,554					**69,801**
Cordova Electric Coop Inc	All Locations		2,886	20,795					**23,681**
Kodiak Electric Assn Inc	All Locations		91,855	41,633					**133,488**

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
South East		**1,033**	**664,184**	**39,251**					**704,468**
Alaska Electric Light & Power	Annex Creek		21,690						
Alaska Electric Light & Power	Auke Bay	684							
Alaska Electric Light & Power	Auke Bay			130					
Alaska Electric Light & Power	Gold Creek		5,605						
Alaska Electric Light & Power	Lemon Creek	349							
Alaska Electric Light & Power	Lemon Creek			666					
Alaska Electric Light & Power	Salmon Creek		24,730						
Alaska Electric Light & Power (AIDEA)	Snettisham		279,606						
Alaska Power & Telephone	Black Bear		22,826						
Alaska Power & Telephone	Coffman Cove			763					
Alaska Power & Telephone	Craig, Klawock			590					
Alaska Power & Telephone	Goat Lake		18,457						
Alaska Power & Telephone	Haines			608					
Alaska Power & Telephone	Hollis			534					
Alaska Power & Telephone	Hydaburg			1,506					
Alaska Power & Telephone	Nautaki			457					
Alaska Power & Telephone	Skagway		3,267						
Alaska Power & Telephone	Skagway			61					
Alaska Power & Telephone	Whale Pass			220					
Elfin Cove Electric Utility	Elfin Cove			372					
Gustavus Electric Company	Gustavus			1,648					
Ketchikan (City of)	Beaver Falls		41,248						
Ketchikan (City of)	Ketchikan		22,388						
Ketchikan (City of)	S.W. Bailey			7,448					
Ketchikan (City of)	Silvis		13,968						
Ketchikan (City of -FDPPA)	Swan Lake		82,888						
Metlakatla Power & Light	Centinneal			101					
Metlakatla Power & Light	Chester Lake		3934						
Metlakatla Power & Light	Purple Lake		11494						
Pelican Utility Co	Pelican		1,998	259					
Petersburg (City of)	Petersburg		13,041	1,024					
Sitka City & Borough	Blue Lake Fish Valve		6,685						
Sitka City & Borough	Blue Lake		45,465						
Sitka City & Borough	Green Lake		44,894						
Sitka City & Borough	Indian River			193					
Tenakee Springs, City of	Tenakee Springs			453					
Thorne Bay Public Utility	Thorne Bay			15					
Tlingit Haida Regional Electric Authority	Chilkat Valley			353					
Tlingit Haida Regional Electric Authority	Hoonah			6,338					
Tlingit Haida Regional Electric Authority	Kake			4,145					
Tlingit Haida Regional Electric Authority	Kasaan			272					
Tlingit Haida Regional Electric Authority	Klukwan (see Chilkat Valley)								
Tlingit Haida Regional Electric Authority	Angoon			1,965					
Tyee Hydro (FDPPA)	Wrangell Mun L&P		N/A						
Wrangell (City of)	Wrangell			752					
Yakutat Power (City of)	Yakutat			8,378					
Alaska Electric Light&Power	All Locations	1,033	331,631	796					**333,460**
Alaska Power & Telephone	All Locations		44,550	4,739					**49,289**
Ketchikan (City of)	All Locations		160,492	7,448					**167,940**
Metlakatla Power & Light	All Locations	15,327	15,428	101					**30,856**
Sitka City of & Borough o	All Locations		97,044	193					**97,237**
Tlingit Haida Regional Electric Authority	All Locations			13,072					**13,072**

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
South West			**167,057**						**167,057**
Akiachak Native Community Elec	Akiachak		1,295						
Akiak, City of	Akiak		782						
Akutan Electric Utility	Akutan		471						
Alaska Village Electric Coop	Eek		685						
Alaska Village Electric Coop	Goodnews Bay		673						
Alaska Village Electric Coop	Lower Kalskag		1,185						
Alaska Village Electric Coop	Mekoryuk		814						
Alaska Village Electric Coop	Nightmute		583						
Alaska Village Electric Coop	Nunapitchuk		2,353						
Alaska Village Electric Coop	NW Stuyahok		1,192						
Alaska Village Electric Coop	Quinhagak		1,463						
Alaska Village Electric Coop	Togiak		2,428						
Alaska Village Electric Coop	Toksook Bay		1,190						
Alaska Village Electric Coop	Tununak		790						
Andreanof Electric Corporation	Atka		325						
Aniak Light & Power Co In	Aniak		2,585						
Atmautluak Joint Utilities	Atmautluak		770						
Bethel Utilities Corp Inc	Bethel		41,254						
Chignik Electric	Chignik		707						
Chignik Lagoon Power Utility	Chignik Lagoon		638						
Chignik Lake Electric Utility, Inc.	Chignik Lake		67						
Egegik Light & Power Co	Egegik		821						
Ekwok Electric	Ekwok								
False Pass Electric Association	False Pass		587						
G & K	Cold Bay		3,248						
Igiugig Electric Company	Igiugig		233						
I-N-N Electric Coop Inc	I-N-N ELEC (Iliamna)		2,300						
King Cove, City of	King Cove		3,283						
Kipnuk Light Plant	Kipnuk		1,638						
Kokhanok Village Council	Kokhanok		320						
Koliganek Village Council	Koliganek		502						
Kwethluk, Inc.	Kwethluk		1,309						
Kwig Power Company	Kwigilligok		629						
Levelock Electric Cooperative	Levelock		528						
Lime Village Electric Company	Lime Village		77						
Manokotak Power Company	Manokotak		898						
McGrath Light & Power Co	McGrath		2,837						
Middle Kuskokwim Electric Co-op.	Chauthbaluk		182						
Middle Kuskokwim Electric Co-op.	Crooked Creek		246						
Middle Kuskokwim Electric Co-op.	Red Devil		173						
Middle Kuskokwim Electric Co-op.	Sleetmute		208						
Middle Kuskokwim Electric Co-op.	Stony River		139						
Naknek Electric Assn Inc	Naknek		20,118						
Napakiak Ircinraq Power Co	Napakiak		671						
Napaskiak Electric Utility	Napaskiak		802						
Naterkaq Light Plant	Chefornak		868						
Nelson Lagoon Electric Cooperative	Nelson Lagoon		389						
Nikolai Light & Power	Nikolai		362						

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
South West continued									
Nushagak Electric Coop In	Dillingham			17,483					
Pedro Bay Village Council	Pedro Bay			258					
Perryville, City of	Perryville			439					
Pilot Point Electrical	Pilot Point			453					
Platinum, City of	Platinum			193					
Port Heiden, City of	Port Heiden			527					
Puvurnaq Power Company	Kongiganak			862					
Sand Point Electric Company	Sand Point			3,942					
St. George Municipal Electric Utility	St. George			1,137					
St. Paul Municipal Electrical Utility	St. Paul			3,932					
Takotna Community Association Utilities	Takotna			297					
Tanalian Electric Cooperative	Port Alsworth			636					
Tuluksak Traditional Power Utility	Tuluksak			440					
Tuntutuliak Community Service Assoc.	Tuntutuliak			813					
Twin Hills Village Council				22					
Umnak Power Company	Nikolski			163					
Unalaska Electric Utility	Unalaska			29,474					
Unqusraq Power Company	Newtok			368					
Alaska Village Electric Coop	All Locations			13,356					**13,356**
Middle Kuskokwim Elec. Coop	All Locations			948					**948**
Yukon		**580,285**		**59,947**	**194,287**				**834519**
Alaska Power & Telephone	Al-Can border								
Alaska Power & Telephone	Allakaket			576					
Alaska Power & Telephone	Bettles			812					
Alaska Power & Telephone	Chistochina			270					
Alaska Power & Telephone	Dot Lake (See Tok)			0					
Alaska Power & Telephone	Eagle			731					
Alaska Power & Telephone	Healy Lake			135					
Alaska Power & Telephone	Mentasta Lake			332					
Alaska Power & Telephone	Northway			1,557					
Alaska Power & Telephone	Tetlin			390					
Alaska Power & Telephone	Tok			11,559					
Alaska Village Electric Coop	Alakanuk			1,548					
Alaska Village Electric Coop	Anvik			445					
Alaska Village Electric Coop	Chevak			1,829					
Alaska Village Electric Coop	Emmonak			2,383					
Alaska Village Electric Coop	Grayling			506					
Alaska Village Electric Coop	Holy Cross			764					
Alaska Village Electric Coop	Hooper Bay			2,404					
Alaska Village Electric Coop	Huslia			863					
Alaska Village Electric Coop	Kaltag			695					
Alaska Village Electric Coop	Marshall			1,057					
Alaska Village Electric Coop	Minto			660					
Alaska Village Electric Coop	Mt.Village			2,472					
Alaska Village Electric Coop	Nulato			1,093					
Alaska Village Electric Coop	Pilot Station			1,383					
Alaska Village Electric Coop	Russian MIS			652					
Alaska Village Electric Coop	Scammon Bay			1,050					
Alaska Village Electric Coop	Shageluk			370					
Alaska Village Electric Coop	St. Mary's (Pitkas Point)			2,886					
Beaver Joint Utilities	Beaver			137					
Birch Creek Village Elec Util	Birch Creek			120					

Utility	Community	Gas Turbine	Hydroelectric	Internal Combustion	Steam Turbine	Combined Cycle Steam	Wind Turbine	Combined Cycle Combustion	TOTAL
Yukon continued									
Central Electric, Inc.	Central			640					
Chalkyitsik Village Energy System	Chalkyitsik			249					
Circle Electric Utility	Circle			366					
Galena, City of	Galena			9,352					
Golden Valley Elec Assn	Fairbanks	-296							
Golden Valley Elec Assn	Fairbanks	653							
Golden Valley Elec Assn	Fairbanks			-30					
Golden Valley Elec Assn	Healy			1					
Golden Valley Elec Assn	Healy				279				
Golden Valley Elec Assn	Healy				194,008				
Golden Valley Elec Assn	North Pole	614							
Golden Valley Elec Assn	North Pole	579,314							
Gwitchyaa Zhee Utility Co	Ft. Yukon			2,400					
Hughes Power & Light	Hughes			179					
Kotlik Electric Services	Kotlik			1,436					
Koyukuk, City of	Koyukuk			244					
Manley Utility Co Inc	Manley			280					
Nunam Iqua Electric Company	Sheldon Point			572					
Paxson Inn & Lodge	Denali			2,014					
Ruby, City of	Ruby			654					
Tanana Power Company	Tanana			1,456					
Venetie Village Electric	Venetie			455					
Alaska Power & Telephone	All Locations			16,362					**16,362**
Alaska Village Electric Coop	All Locations			23,060					**23,060**
Golden Valley Elec Assn	All Locations	580,285		-29	194,287				**774,543**
Special Categories									
Alaska Power & Telephone Company	Total APC		44550	21101					65651
Alaska Village Electric Coop	State Total			59779					
Arctic Northwest				22654					
South Central				709					
Southwest				13356					
Yukon				23060					
Railbelt		1,670,859	551,380	1,249	194,287	462,241	0	1,425,061	4,305,077
Alaska Electric G & T Coop Inc	Nikiski	173210							173,210
Alaska Energy Authority	State Agency		345681						345,681
City of Seward	Seward			778					778
Homer Electric Assn Inc	Seldovia			491					491
Anchorage Mun Light & Pow	All Locations	118,624	146,252	9		163,072		547,754	975,711
Chugach Electric Assn Inc	All Locations	798,740	59,447			299,169		877,307	2,034,663
Golden Valley Elec Assn	All Locations	580,285		-29	194,287				774,543

Table 2.3b 2001 Utility Net Generation by Fuel Type and Fuel Use*

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
State Total		**483,415**	**3,027,807**	**194,008**	**1,361,093**	**579,967**	**851,311**	**32,588,213**	**194,008**	**1,056,579**
Arctic Northwest		128,669	50,493	0	0	0	214,925	760,123	0	0
South Central		86,862	2,977,314	0	696,909	0	165,330	31,828,090	0	0
South East		40,284	0	0	664,184	0	73,385	0	0	0
South West		167,057	0	0	0	0	292,579	0	0	0
Yukon		60,544	0	194,008	0	579,967	105,091	0	194,008	1,056,579
Arctic Northwest		128,669	50,493	0	0	0	214,925	760,123	0	0
Alaska Village Electric Coop	Ambler	1,114					2,045			
Alaska Village Electric Coop	Brevig Mission	653					1,329			
Alaska Village Electric Coop	Elim	1,023					1,935			
Alaska Village Electric Coop	Gambell	1,941					3,544			
Alaska Village Electric Coop	Kiana	1,376					2,569			
Alaska Village Electric Coop	Kivalina	1,088					1,929			
Alaska Village Electric Coop	Koyuk	1,140					1,964			
Alaska Village Electric Coop	Noatak	1,436					2,538			
Alaska Village Electric Coop	Noorvik	1,768					3,164			
Alaska Village Electric Coop	Savoonga	1,801					3,657			
Alaska Village Electric Coop	Selawik	2,362					4,597			
Alaska Village Electric Coop	Shaktoolik	816					1,499			
Alaska Village Electric Coop	Shishmaref	1,610					3,063			
Alaska Village Electric Coop	Shungnak	1,376					2,403			
Alaska Village Electric Coop	St. Micheal	1,153					2,026			
Alaska Village Electric Coop	Stebbins	1,446					2,706			
Alaska Village Electric Coop	Wales	551					1,079			
Arctic Utilities (now TDX)	Deadhorse	25,601					40,993			
Barrow Utils & Elec Coop	Barrow		50,493					760,123		
Buckland, City of	Buckland	897					2,236			
Diomede Joint Utilities	Diomede	549					1,149			
Golovin Power Utilities	Golovin	531					1,077			
Ipnatchiaq Electric Company	Deering	661					1,250			
Kobuk Valley Electric Company (a)	Kobuk Valley	330					0			
Kotzebue Electric Assn In	Kotzebue	20,882					34,763			
Kotzebue Electric Assn In	Kotzebue Wind	950								
Nome (Joint City of)	Snake River	27,837					43,047			
North Slope Borough	Anaktuvuk Pass	3,421					5,986			
North Slope Borough	Atqasuk	3,214					5,736			
North Slope Borough	Kaktovik	1,844					3,429			
North Slope Borough	Nuiqsut	4,665					7,186			
North Slope Borough	Point Hope	2,861					4,275			
North Slope Borough	Point Lay	3,504					6,908			
North Slope Borough	Wainwright	2,598					4,589			
Teller Power Company	Teller	738					1,467			
Unalakleet Valley Elec Co	Unalakleet	4,144					7,295			
White Mountain Utilities	White Mountain	789					1,494			
Alaska Village Electric Coop	Total AVEC	22,654					42,045			
North Slope Borough	Total NSB	22,107					38,110			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
South Central		86,862	2,977,314	0	696,909	0	165,330	31,828,090	0	0
AEA	Bradley Lake				345,681					
AEG&T	Nikiski		173,210					2,002,898		
Akhiok, City of	Akhiok	202					462			
Alaska Village Electric Coop	Old Harbor	709					1,429			
Alutiiq Power Company	Karluk	174					419			
Anchorage Mun Light & Power	Anchorage		22,648					452,393		
Anchorage Mun Light & Power	Anchorage	209					461			
Anchorage Mun Light & Power	Anchorage	9					19			
Anchorage Mun Light & Power	Eklutna				146,252					
Anchorage Mun Light & Power	GMS NO 2		163,072					0		
Anchorage Mun Light & Power	GMS NO 2		547,401					6,875,046		
Anchorage Mun Light & Power	GMS NO 2	353					720			
Anchorage Mun Light & Power	GMS NO 2		95,767					1,197,292		
Chenega Bay IRA Village Council	Chenega Bay	299					621			
Chitina Electric Inc.	Chitina	402					796			
Chugach Electric Assn Inc	Beluga		299,169					0		
Chugach Electric Assn Inc	Beluga		877,307					10,773,181		
Chugach Electric Assn Inc	Beluga		682,603					8,752,497		
Chugach Electric Assn Inc	Bernice Lake		114,102					1,712,222		
Chugach Electric Assn Inc	Cooper Lake				59,447					
Chugach Electric Assn Inc	International		2,035					62,561		
City of Seward	Seward	778					0			
Copper Valley Electric Assn	Glenallen	16,413					29,716			
Copper Valley Electric (FDPPA)	Solomon Gulch				50,788					
Copper Valley Electric Assn	Valdez	2,459					6,038			
Copper Valley Electric Assn	Valdez	141					2,010			
Cordova Electric Coop Inc	Humpback Creek				2,623					
Cordova Electric Coop Inc	Orca	20,795					36,027			
Cordova Electric Coop Inc	Power Creek				263					
Homer Electric Assn Inc	Seldovia	491					997			
Kodiak Electric Assn Inc	Kodiak	41,633					83,396			
Kodiak Electric Assn Inc (FDPPA)	Terror Lake				91,855					
Larsen Bay Utility Company	Larsen Bay	642					1,467			
Ouzinkie, City of	Ouzinkie	681					751			
Tatitlek Elec. Util.	Tatitlek	473					0			
Anchorage ML&P	Total AML&P	571	828,888		146,252		1,200	8,524,731		
Chugach Electric Ass.	Total CEA	0	1,975,216		59,447			21,300,461		
Copper Valley Elec. Ass.	Total CVEA	19,013			50,788		37,764			
Cordova Electric Coop.	Total CEC	20,795			2,886		36,027			
Kodiak Electric Ass.	Total KEA	41,633			91,855		83,396			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
South East		40,284	0	0	664,184	0	73,385	0	0	0
Alaska Electric Light & Power (AIDEA)	Annex Creek				21,690					
Alaska Electric Light & Power	Auke Bay	684					1,950			
Alaska Electric Light & Power	Auke Bay	130					242			
Alaska Electric Light & Power	Gold Creek				5,605					
Alaska Electric Light & Power	Lemon Creek	349					1,177			
Alaska Electric Light & Power	Lemon Creek	666					1,235			
Alaska Electric Light & Power	Salmon Creek				24,730					
Alaska Electric Light & Power	Snettisham				279,606					
Alaska Power & Telephone	Black Bear				22,826					
Alaska Power & Telephone	Coffman Cove	763					1,374			
Alaska Power & Telephone	Craig, Klawock	590					1,061			
Alaska Power & Telephone	Goat Lake				18,457					
Alaska Power & Telephone	Haines	608					1,002			
Alaska Power & Telephone	Hollis	534					1,054			
Alaska Power & Telephone	Hydaburg	1,506					2,581			
Alaska Power & Telephone	Naukati	457					979			
Alaska Power & Telephone	Skagway				3,267					
Alaska Power & Telephone	Skagway	61					120			
Alaska Power & Telephone	Whale Pass	220					488			
Elfin Cove Electric Utility	Elfin Cove	372					714			
Gustavus Electric Company	Gustavus	1,648					3,087			
Ketchikan (City of)	Beaver Falls				41,248					
Ketchikan (City of)	Ketchikan				22,388					
Ketchikan (City of)	Silvis				13,968					
Ketchikan (City of)	SW Bailey	7,448					14,741			
Ketchikan (City of) (FDPPA)	Swan Lake				82,888					
Metlakatla Power & Light	Centennial	101					560			
Metlakatla Power & Light	Chester Lake				3,934					
Metlakatla Power & Light	Purple Lake				11,494					
Pelican Utility Co	Pelican				1,998					
Pelican Utility Co	Pelican	259					582			
Petersburg (City of)	Petersburg				13,041					
Petersburg (City of)	Petersburg	1,024					1,865			
Sitka City of & Borough	Blue Lake				45,465					
Sitka City of & Borough	Blue Lake Fish Valve				6,685					
Sitka City of & Borough	Green Lake				44,894					
Sitka City of & Borough	Indian River	193					393			
Tenakee Springs, City of	Tenakee Springs	453					879			
Thorne Bay Public Utility	Thorne Bay	15					39			
Tlingit Haida Regional Electric Authority	Angoon	1,965					3,584			
Tlingit Haida Regional Electric Authority	Chilkat Valley	353					795			
Tlingit Haida Regional Electric Authority	Hoonah	6,338					10,236			
Tlingit Haida Regional Electric Authority	Kake	4,145					7,162			
Tlingit Haida Regional Electric Authority	Kasaan	272					804			
Tlingit Haida Regional Electric Authority	Klukwan (See Chilkat Valley)	0					0			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
South East continued										
Tyee Hydro (FDPPA)	Wrangell				N/A					
Wrangell (City of)	Wrangell	752					1,021			
Yakutat Power (City of)	Yakutat	8,378					13,660			
Alaska Electric Light&Pow	Total AEL&P	1,829			331,631		4,604			
Alaska Power & Telephone	Total APC	4,739			44,550		8,659			
Ketchikan (City of)	Total Ketchikan	7,448			160,492		14,741			
Metlakatla Power & Light	Total MP&L	101			15,428		560			
Pelican Utility Co	Total Pelican	259			1,998		582			
Petersburg (City of)	Total Petersburg	1,024			13,041		1,865			
Sitka City of & Borough o	Total Sitka	193			97,044		393			
Tlingit Haida Regional Electric Authority	Total THREA	13,072					22,581			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
South West		167,057	0	0	0	0	292,579	0	0	0
Akiachak Native Community Elec	Akiachak	1,295					2,497			
Akiak, City of (a)	Akiak	782					1,675			
Akutan Electric Utility	Akutan	471					960			
Alaska Village Electric Coop	Eek	685					1,314			
Alaska Village Electric Coop	Goodnews Bay	673					1,331			
Alaska Village Electric Coop	LWR Kalskag	1,185					2,083			
Alaska Village Electric Coop	Mekoryuk	814					1,409			
Alaska Village Electric Coop	New Stuyahok	1,192					2,425			
Alaska Village Electric Coop	Nightmute	583					1,209			
Alaska Village Electric Coop	Nunapitchuk	2,353					4,346			
Alaska Village Electric Coop	Quinhagak	1,463					2,711			
Alaska Village Electric Coop	Togiak	2,428					4,361			
Alaska Village Electric Coop	Toksook Bay	1,190					2,380			
Alaska Village Electric Coop	Tununak	790					1,581			
Andreanof Electric Corporation	Atka	325					778			
Aniak Light & Power Co In	Aniak	2,585					4,740			
Atmautluak Joint Utilities	Atmautluak	770					1,282			
Bethel Utilities Corp Inc	Bethel	41,254					71,561			
Chignik Electric	Chignik	707					1,480			
Chignik Lagoon Power Utility	Chignik Lagoon	638					1,248			
Chignik Lake Electric Utility, Inc.	Chignik Lake	67					100			
Egegik Light & Power Co	Egegik	821					1,739			
Ekwok Electric	Ekwok	0					803			
False Pass Electric Association	False Pass	587					937			
G & K	Cold Bay	3,248					5,574			
Igiugig Electric Company	Igiugig	233					453			
I-N-N Electric Coop Inc (b)	I-N-N ELEC (Iliamna)	2,300					5,560			
King Cove, City of (b)	King Cove	3,283					4,496			
Kipnuk Light Plant	Kipnuk	1,638					2,730			
Kokhanok Village Council	Kokhanok	320					596			
Koliganek Village Council	Koliganek	502					1,198			
Kwethluk, Inc.	Kwethluk	1,309					1,994			
Kwig Power Company	Kwigillingok	629					1,358			
Levelock Electric Cooperative	Levelock	528					1,124			
Lime Village Electric Company	Lime Village	77					280			
Manokotak Power Company	Manokotak	898					2,194			
McGrath Light & Power Co	McGrath	2,837					5,494			
Middle Kuskokwim Electric Co-op	Chuathbaluk	182					457			
Middle Kuskokwim Electric Co-op	Crooked Creek	246					530			
Middle Kuskokwim Electric Co-op	Red Devil	173					421			
Middle Kuskokwim Electric Co-op	Sleetmute	208					539			
Middle Kuskokwim Electric Co-op	Stony River	139					498			
Naknek Electric Assn Inc	Naknek	20,118					32,494			
Napakiak Ircinraq Power Co	Napakiak	671					0			
Napaskiak Electric Utility	Napaskiak	802					1,536			
Naterkaq Light Plant	Chefornak	868					1,629			
Nelson Lagoon Electric Cooperative	Nelson Lagoon	389					889			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
South West continued										
Nikolai Light & Power	Nikolai	362					746			
Nushagak Electric Coop In	Dillingham	17,483					29,304			
Pedro Bay Village Council	Pedro Bay	258					616			
Perryville, City of	Perryville	439					920			
Pilot Point Electrical	Pilot Point	453					953			
Platinum, City of	Platinum	193					403			
Port Heiden, City of	Port Heiden	527					1,046			
Puvurnaq Power Company	Kongiganak	862					1,666			
Sand Point Electric Company	Sand Point	3,942					6,931			
St. George Municipal Electric Utility	St. George	1,137					1,027			
St. Paul Municipal Electrical Utility	St. Paul	3,932					6,568			
Takotna Community Association Utilities	Takotna	297					452			
Tanalian Electric Cooperative	Port Alsworth	636					1,227			
Tuluksak Traditional Power Utility	Tuluksak	440					1,225			
Tuntutuliak Comm. Service Ass.	Tuntutuliak	813					1,723			
Twin Hills Village Council	Twin Hills Village	22					83			
Umnak Power Company	Nikolski	163					435			
Unalaska Electric Utility	Unalaska	29,474					49,422			
Unqusrag Power Company	Newtok	368					841			
Alaska Village Electric Coop.	Total AVEC	13,356					25,151			
Middle Kuskokwim Elec. Co.	Total MKEC	948					2,444			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
Yukon		60,544		194,008		579,967	105,091		194,008	1,056,579
Alaska Power & Telephone	Al-Can border									
Alaska Power & Telephone	Allakaket	576					1,127			
Alaska Power & Telephone	Bettles	812					1,468			
Alaska Power & Telephone	Chistochina	270					546			
Alaska Power & Telephone	Dot Lake (See Tok)	0					0			
Alaska Power & Telephone	Eagle	731					1,436			
Alaska Power & Telephone	Healy Lake	135					296			
Alaska Power & Telephone	Mentasta Lake	332					681			
Alaska Power & Telephone	Northway	1,557					2,885			
Alaska Power & Telephone	Tetlin	390					773			
Alaska Power & Telephone	Tok	11,559					18,956			
Alaska Village Electric Coop	Alakanuk	1,548					2,706			
Alaska Village Electric Coop	Anvik	445					884			
Alaska Village Electric Coop	Chevak	1,829					3,336			
Alaska Village Electric Coop	Emmonak	2,383					4,365			
Alaska Village Electric Coop	Grayling	506					1,036			
Alaska Village Electric Coop	Holy Cross	764					1,432			
Alaska Village Electric Coop	Hooper Bay	2,404					4,723			
Alaska Village Electric Coop	Huslia	863					1,779			
Alaska Village Electric Coop	Kaltag	695					1,516			
Alaska Village Electric Coop	Marshall	1,057					1,834			
Alaska Village Electric Coop	Minto	660					1,318			
Alaska Village Electric Coop	Mt. Village	2,472					4,466			
Alaska Village Electric Coop	Nulato	1,093					2,080			
Alaska Village Electric Coop	Pilot Station	1,383					2,536			
Alaska Village Electric Coop	Russian MIS	652					1,312			
Alaska Village Electric Coop	Scammon Bay	1,050					2,009			
Alaska Village Electric Coop	Shageluk Bay	370					684			
Alaska Village Electric Coop	St. Mary's (Pika's Point)	2,886					5,376			
Beaver Joint Utilities	Beaver	137					362			
Birch Creek Village Elec Util	Birch Creek	120					0			
Central Electric, Inc.	Central	640					1,203			
Chalkyitsik Village Energy System	Chalkyitsik	249					713			
Circle Electric Utility	Circle	366					814			
Galena, City of	Galena	9,352					15,784			
Golden Valley Elec Assn	Fairbanks					653				3,444
Golden Valley Elec Assn	Fairbanks	-296					245			
Golden Valley Elec Assn	Fairbanks	-30					82			
Golden Valley Elec Assn	Healy	1					6			
Golden Valley Elec Assn	Healy	279					731			
Golden Valley Elec Assn	Healy			194,008					194,008	
Golden Valley Elec Assn	North Pole	614					1,298			
Golden Valley Elec Assn	North Pole					579,314				1,053,135
Gwitchyaa Zhee Utility Co	Ft. Yukon	2,400					509			
Hughes Power & Light	Hughes	179					733			
Kotlik Electric Services	Kotlik	1,436					3,181			

Utility Name	Community	Net Generation by Fuel Type (MWh)					Fuel Use*			
		Oil	Gas	Coal	Hydro	Residual	Oil (Barrels)	Gas (MCF)	Coal (Short Ton)	Residual (Barrels)
Yukon continued										
Koyukuk, City of	Koyukuk	244					505			
Manley Utility Co Inc	Manley	280					1,260			
Nunam Iqua Electric Company	Sheldon Point	572					1,120			
Paxson Inn & Lodge	Denali	2,014					0			
Ruby, City of	Ruby	654					1,457			
Tanana Power Company	Tanana	1,456					2,600			
Venetie Village Electric	Venetie	455					930			
Alaska Power & Telephone	Total APC	16,362					28,168			
Alaska Village Electric Coop	Total AVEC	23,060					43,391			
Golden Valley Elec Assn	Total GVEA	568		194,008	0	579,967	2,362		194,008	1,056,579
Special Categories										
Alaska Power & Telephone Company	Total APC	21,101			44,550		36,827			
Alaska Village Electric Coop	State Total	59,779					112,017			
Arctic Northwest		22,654					42,045			
South Central		709					1,429			
Southwest		13,356					25,151			
Yukon		23,060					43,391			
Railbelt		2,408	2,977,314	194,008	551,380	579,967	4,559	31,828,090	194,008	1,056,579
City of Seward		778								
Homer Electric Assn Inc		491					997			
AEA					345,681					
AEG&T			173,210					2,002,898		
Anchorage ML&P		571	828,888		146,252		1,200	8,524,731		
Chugach Electric Ass.			1,975,216		59,447			21,300,461		
Golden Valley Elec Assn		568		194,008		579,967	2,362		194,008	1,056,579

**Note:Fuel Use in Volume/Weight; coal in short tons, oil in 42 gallon barrels, gas in MCF(millions of cubic feet).*

(a) Generation value reflects "Total Sales" from PCE Report

(b) I-N-N and King Cove have some hydro generation, no values for separation by prime mover: efficiency values not valid for INN.

Error in reported fuel usages for Gwitchyaa Zhee- fuel efficiency values not valid.

Table 2.3c 2001 Utility Net Generation, Fuel Use and Fuel Cost by Plant *

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Light Oil Only: Avg. Fuel Cost per Unit	Light Oil Only: KWh per Gallon	Light Oil Only: Fuel Cost per KWH
State Total				5,646,290				
Arctic Northwest				179,162				
South Central				3,761,085				
South East				704,468				
South West				167,057				
Yukon				834,519				
Arctic Northwest				179,162				
Alaska Village Electric Coop	Ambler	Light Oil	IC	1,114	2,045	$2.77	12.97	$0.21
Alaska Village Electric Coop	Brevig Mission	Light Oil	IC	653	1,329	$1.22	11.70	$0.10
Alaska Village Electric Coop	Elim	Light Oil	IC	1,023	1,935	$1.23	12.59	$0.10
Alaska Village Electric Coop	Gambell	Light Oil	IC	1,941	3,544	$1.24	13.04	$0.10
Alaska Village Electric Coop	Kiana	Light Oil	IC	1,376	2,569	$1.78	12.76	$0.14
Alaska Village Electric Coop	Kivalina	Light Oil	IC	1,088	1,929	$1.77	13.43	$0.13
Alaska Village Electric Coop	Koyuk	Light Oil	IC	1,140	1,964	$1.23	13.82	$0.09
Alaska Village Electric Coop	Noatak	Light Oil	IC	1,436	2,538	$2.80	13.47	$0.21
Alaska Village Electric Coop	Noorvik	Light Oil	IC	1,768	3,164	$1.77	13.30	$0.13
Alaska Village Electric Coop	Savoonga	Light Oil	IC	1,801	3,657	$1.37	11.73	$0.12
Alaska Village Electric Coop	Selawik	Light Oil	IC	2,362	4,597	$1.77	12.23	$0.14
Alaska Village Electric Coop	Shaktoolik	Light Oil	IC	816	1,499	$1.09	12.96	$0.08
Alaska Village Electric Coop	Shishmaref	Light Oil	IC	1,610	3,063	$1.17	12.52	$0.09
Alaska Village Electric Coop	Shungnak	Light Oil	IC	1,376	2,403	$1.88	13.63	$0.14
Alaska Village Electric Coop	St. Micheal	Light Oil	IC	1,153	2,026	$1.24	13.55	$0.09
Alaska Village Electric Coop	Stebbins	Light Oil	IC	1,446	2,706	$1.12	12.72	$0.09
Alaska Village Electric Coop	Wales	Light Oil	IC	551	1,079	$1.20	12.16	$0.10
Arctic Utilities (now TDX)	Deadhorse	Light Oil	IC	25,601	40,993	$0.95	14.87	$0.06
Barrow Utils & Elec Coop	Barrow	Natural Gas	GT	50,493	760,123			$0.00
Buckland, City of	Buckland	Light Oil	IC	897	2,236	$1.71	9.55	$0.18
Diomede Joint Utilities	Diomede	Light Oil	IC	549	1,149	$1.61	11.38	$0.14
Golovin Power Utilities	Golovin	Light Oil	IC	531	1,077	$1.84	11.73	$0.16
Ipnatchiaq Electric Company	Deering	Light Oil	IC	661	1,250	$1.79	12.59	$0.14
Kobuk Valley Electric Company (a)	Kobuk Valley	Light Oil	IC	330				
Kotzebue Electric Assn In	Kotzebue	Light Oil	IC	20,882	34,763	$1.19	14.30	$0.08
Kotzebue Electric Assn In	Kotzebue	Wind	WT	950				$0.00
Nome (Joint City of)	Snake River	Light Oil	IC	27,837	43,047	$0.99	15.40	$0.06
North Slope Borough	Anaktuvuk Pass	Light Oil	IC	3,421	5,986	$1.74	13.61	$0.13
North Slope Borough	Atqasuk	Light Oil	IC	3,214	5,736	$1.48	13.34	$0.11
North Slope Borough	Kaktovik	Light Oil	IC	1,844	3,429	$1.33	12.80	$0.10
North Slope Borough	Nuiqsut	Light Oil	IC	4,665	7,186	$1.13	15.46	$0.07
North Slope Borough	Point Hope	Light Oil	IC	2,861	4,275	$1.33	15.93	$0.08
North Slope Borough	Point Lay	Light Oil	IC	3,504	6,908	$1.25	12.08	$0.10
North Slope Borough	Wainwright	Light Oil	IC	2,598	4,589	$1.33	13.48	$0.10
Teller Power Company	Teller	Light Oil	IC	738	1467	$1.57	11.99	$0.13
Unalakleet Valley Elec Co	Unalakleet	Light Oil	IC	4,144	7,295	$1.24	13.53	$0.09
White Mountain Utilities	White Mountain	Light Oil	IC	789	1494	$1.38	12.57	$0.11

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Avg. Fuel Cost per Unit	KWh per Gallon	Fuel Cost per KWH
South Central				3,761,085				
AEA	Bradley Lake	Water	HY	345,681				
AEG&T	Nikiski	Natural Gas	GT	173,210	2,002,898			
Akhiok, City of	Akhiok	Light Oil	IC	202	462		10.41	
Alaska Village Electric Coop	Old Harbor	Light Oil	IC	709	1,429	$1.28	11.81	$0.11
Alutiiq Power Company	Karluk	Light Oil	IC	174	419	$1.75	9.86	$0.18
Anchorage Mun Light & Power	Anchorage	Natural Gas	GT	22,648	452,393			
Anchorage Mun Light & Power	Anchorage	Light Oil	GT	209	461		10.79	
Anchorage Mun Light & Power	Anchorage	Light Oil	IC	9	19		11.28	
Anchorage Mun Light & Power	Eklutna	Water	HY	146,252	0			
Anchorage Mun Light & Power	GMS NO 2	Natural Gas	CA	163,072	0			
Anchorage Mun Light & Power	GMS NO 2	Natural Gas	CT	547,401	6,875,046			
Anchorage Mun Light & Power	GMS NO 2	Light Oil	CT	353	720		11.67	
Anchorage Mun Light & Power	GMS NO 2	Natural Gas	GT	95,767	1,197,292			
Chenega Bay IRA Village Council	Chenega Bay	Light Oil	IC	299	621	$1.77	11.48	$0.15
Chitina Electric Inc.	Chitina	Light Oil	IC	402	796	$1.39	12.01	$0.12
Chugach Electric Assn Inc	Beluga	Natural Gas	CA	299,169	0			
Chugach Electric Assn Inc	Beluga	Natural Gas	CT	877,307	10,773,181			
Chugach Electric Assn Inc	Beluga	Natural Gas	GT	682,603	8,752,497			
Chugach Electric Assn Inc	Bernice Lake	Natural Gas	GT	114,102	1,712,222			
Chugach Electric Assn Inc	Cooper Lake	Water	HY	59,447	0			
Chugach Electric Assn Inc	International	Natural Gas	GT	2,035	62,561			
City of Seward	Seward	Light Oil		778				
Copper Valley Electric Assn	Glenallen	Light Oil	IC	16,413	29,716		13.15	
Copper Valley Electric (FDPPA)	Solomon Gulch	Water	HY	50,788	0			
Copper Valley Electric Assn	Valdez	Light Oil	GT	2,459	6,038		9.70	
Copper Valley Electric Assn	Valdez	Light Oil	IC	141	2,010		1.67	
Cordova Electric Coop Inc	Humpback Creek	Water	HY	2,623	0			
Cordova Electric Coop Inc	Orca	Light Oil	IC	20,795	36,027	$1.20	13.74	$0.09
Cordova Electric Coop Inc	Power Creek	Water	HY	263	0			
Homer Electric Assn Inc	Seldovia	Light Oil	IC	491	997		11.73	
Kodiak Electric Assn Inc	Kodiak	Light Oil	IC	41,633	83,396		11.89	
Kodiak Electric Assn Inc (FDPPA)	Terror Lake	Water	HY	91,855	0			
Larsen Bay Utility Company	Larsen Bay	Light Oil	IC	642	1,467	$1.10	10.41	$0.11
Ouzinkie, City of	Ouzinkie	Light Oil	IC	681	751	$1.75	21.59	$0.08
Tatitlek Elec. Util.	Tatitlek	Light Oil		473				

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Avg. Fuel Cost per Unit	KWh per Gallon	Fuel Cost per KWH
South East				704,468				
Alaska Electric Light & Power (AIDEA)	Annex Creek	Water	HY	21,690	0			
Alaska Electric Light & Power	Auke Bay	Light Oil	GT	684	1,950			
Alaska Electric Light & Power	Auke Bay	Light Oil	IC	130	242		12.79	
Alaska Electric Light & Power	Gold Creek	Water	HY	5,605	0			
Alaska Electric Light & Power	Lemon Creek	Light Oil	GT	349	1,177			
Alaska Electric Light & Power	Lemon Creek	Light Oil	IC	666	1,235		12.84	
Alaska Electric Light & Power	Salmon Creek	Water	HY	24,730	0			
Alaska Electric Light & Power	Snettisham	Water	HY	279,606	0			
Alaska Power & Telephone	Black Bear	Water	HY	22,826	0			
Alaska Power & Telephone	Coffman Cove	Light Oil	IC	763	1,374	$1.19	13.22	$0.09
Alaska Power & Telephone	Craig, Klawock	Light Oil	IC	590	1,061	$1.22	13.24	$0.09
Alaska Power & Telephone	Goat Lake	Water	HY	18,457	0			
Alaska Power & Telephone	Haines	Light Oil	IC	608	1,002	$1.06	14.45	$0.07
Alaska Power & Telephone	Hollis	Light Oil	IC	534	1,054	$1.16	12.06	$0.10
Alaska Power & Telephone	Hydaburg	Light Oil	IC	1,506	2,581	$1.21	13.89	$0.09
Alaska Power & Telephone	Naukati	Light Oil	IC	457	979	$1.17	11.11	$0.11
Alaska Power & Telephone	Skagway	Water	HY	3,267	0			$0.00
Alaska Power & Telephone	Skagway	Light Oil	IC	61	120	$1.24	12.10	$0.10
Alaska Power & Telephone	Whale Pass	Light Oil	IC	220	488	$1.34	10.73	$0.13
Elfin Cove Electric Utility	Elfin Cove	Light Oil	IC	372	714	$1.72	12.41	$0.14
Gustavus Electric Company	Gustavus	Light Oil	IC	1,648	3,087	$1.46	12.71	$0.11
Ketchikan (City of)	Beaver Falls	Water	HY	41,248	0			
Ketchikan (City of)	Ketchikan	Water	HY	22,388	0			
Ketchikan (City of)	Silvis	Water	HY	13,968	0			
Ketchikan (City of)	SW Bailey	Light Oil	IC	7,448	14,741		12.03	
Ketchikan (City of) (FDPPA)	Swan Lake	Water	HY	82,888	0			
Metlakatla Power & Light	Centennial	Light Oil	IC	101	560		4.29	
Metlakatla Power & Light	Chester Lake	Water	HY	3,934	0			
Metlakatla Power & Light	Purple Lake	Water	HY	11,494	0			
Pelican Utility Co	Pelican	Water	HY	1,998	0			
Pelican Utility Co	Pelican	Light Oil	IC	259	582		10.60	
Petersburg (City of)	Petersburg	Water	HY	13,041	0			
Petersburg (City of)	Petersburg	Light Oil	IC	1,024	1,865		13.07	
Sitka City of & Borough	Blue Lake	Water	HY	45,465	0			
Sitka City of & Borough	Blue Lake Fish Valve	Water	HY	6,685	0			
Sitka City of & Borough	Green Lake	Water	HY	44,894	0			
Sitka City of & Borough	Indian River	Light Oil	IC	193	393		11.69	
Tenakee Springs, City of	Tenakee Springs	Light Oil	IC	453	879	$1.62	12.27	$0.13
Thorne Bay Public Utility	Thorne Bay	Light Oil	IC	15	39	$1.39	9.40	$0.15
Tlingit Haida Regional Electric Authority	Angoon	Light Oil	IC	1,965	3,584	$1.23	13.05	$0.09
Tlingit Haida Regional Electric Authority	Chilkat Valley	Light Oil	IC	353	795	$1.42	10.58	$0.13
Tlingit Haida Regional Electric Authority	Hoonah	Light Oil	IC	6,338	10,236	$1.35	14.74	$0.09
Tlingit Haida Regional Electric Authority	Kake	Light Oil	IC	4,145	7,162	$1.28	13.78	$0.09
Tlingit Haida Regional Electric Authority	Kasaan	Light Oil	IC	272	804	$1.27	8.06	$0.16
Tlingit Haida Regional Electric Authority	Klukwan (See Chilkat Valley)	Light Oil	IC		0			
Tyee Hydro (FDPPA)	Wrangell	Water	HY	N/A				
Wrangell (City of)	Wrangell	Light Oil	IC	752	1,021		17.54	
Yakutat Power (City of)	Yakutat	Light Oil	IC	8,378	13,660	$1.36	14.60	$0.09

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Avg. Fuel Cost per Unit	KWh per Gallon	Fuel Cost per KWH
South West				167,057				
Akiachak Native Community Elec	Akiachak	Light Oil	IC	1295	2497	$1.58	12.35	$0.13
Akiak, City of (a)	Akiak	Light Oil	IC	782	1,675	$1.58	11.12	$0.14
Akutan Electric Utility	Akutan	Light Oil	IC	471	960	$1.61	11.67	$0.14
Alaska Village Electric Coop	Eek	Light Oil	IC	685	1,314	$1.26	12.41	$0.10
Alaska Village Electric Coop	Goodnews Bay	Light Oil	IC	673	1,331	$1.26	12.04	$0.10
Alaska Village Electric Coop	LWR Kalskag	Light Oil	IC	1,185	2,083	$1.26	13.54	$0.09
Alaska Village Electric Coop	Mekoryuk	Light Oil	IC	814	1,409	$1.26	13.76	$0.09
Alaska Village Electric Coop	New Stuyahok	Light Oil	IC	1,192	2,425	$1.35	11.70	$0.12
Alaska Village Electric Coop	Nightmute	Light Oil	IC	583	1,209	$1.26	11.48	$0.11
Alaska Village Electric Coop	Nunapitchuk	Light Oil	IC	2,353	4,346	$1.26	12.89	$0.10
Alaska Village Electric Coop	Quinhagak	Light Oil	IC	1,463	2,711	$1.17	12.85	$0.09
Alaska Village Electric Coop	Togiak	Light Oil	IC	2,428	4,361	$1.19	13.25	$0.09
Alaska Village Electric Coop	Toksook Bay	Light Oil	IC	1,190	2,380	$1.26	11.91	$0.11
Alaska Village Electric Coop	Tununak	Light Oil	IC	790	1,581	$1.26	11.90	$0.11
Andreanof Electric Corporation	Atka	Light Oil	IC	325	778	$2.00	9.94	$0.20
Aniak Light & Power Co In	Aniak	Light Oil	IC	2,585	4,740	$1.48	12.98	$0.11
Atmautluak Joint Utilities	Atmautluak	Light Oil	IC	770	1,282	$1.44	14.31	$0.10
Bethel Utilities Corp Inc	Bethel	Light Oil	IC	41,254	71,561	$1.96	13.73	$0.14
Chignik Electric	Chignik	Light Oil	IC	707	1,480	$1.14	11.38	$0.10
Chignik Lagoon Power Utility	Chignik Lagoon	Light Oil	IC	638	1,248	$1.82	12.17	$0.15
Chignik Lake Electric Utility, Inc.	Chignik Lake	Light Oil	IC	67	100	$2.32	15.91	$0.15
Egegik Light & Power Co	Egegik	Light Oil	IC	821	1,739	$1.38	11.24	$0.12
Ekwok Electric	Ekwok	Light Oil	IC		803	$2.60	0.00	
False Pass Electric Association	False Pass	Light Oil	IC	587	937	$1.33	14.91	$0.09
G & K	Cold Bay	Light Oil	IC	3,248	5,574	$2.26	13.88	$0.16
Igiugig Electric Company	Igiugig	Light Oil	IC	233	453	$1.41	12.23	$0.12
I-N-N Electric Coop Inc (b)	I-N-N ELEC (Iliamna)	Light Oil	IC	2,300	5,560	$1.48	9.85	$0.15
King Cove, City of (b)	King Cove	Light Oil	IC	3283	4496	$1.15	17.38	$0.07
Kipnuk Light Plant	Kipnuk	Light Oil	IC	1,638	2,730	$1.13	14.28	$0.08
Kokhanok Village Council	Kokhanok	Light Oil	IC	320	596	$2.54	12.79	$0.20
Koliganek Village Council	Koliganek	Light Oil	IC	502	1,198	$1.69	9.98	$0.17
Kwethluk, Inc.	Kwethluk	Light Oil	IC	1,309	1,994	$1.65	15.64	$0.11
Kwig Power Company	Kwigillingok	Light Oil	IC	629	1,358	$1.52	11.03	$0.14
Levelock Electric Cooperative	Levelock	Light Oil	IC	528	1,124	$1.89	11.18	$0.17
Lime Village Electric Company	Lime Village	Light Oil	IC	77	280	$3.10	6.56	$0.47
Manokotak Power Company	Manokotak	Light Oil	IC	898	2194	$1.46	9.75	$0.15
McGrath Light & Power Co	McGrath	Light Oil	IC	2,837	5,494	$1.47	12.29	$0.12
Middle Kuskokwim Electric Co-op	Chuathbaluk	Light Oil	IC	182	457	$1.94	9.50	$0.20
Middle Kuskokwim Electric Co-op	Crooked Creek	Light Oil	IC	246	530	$1.86	11.04	$0.17
Middle Kuskokwim Electric Co-op	Red Devil	Light Oil	IC	173	421	$1.87	9.80	$0.19
Middle Kuskokwim Electric Co-op	Sleetmute	Light Oil	IC	208	539	$1.94	9.19	$0.21
Middle Kuskokwim Electric Co-op	Stony River	Light Oil	IC	139	498	$1.61	6.65	$0.24
Naknek Electric Assn Inc	Naknek	Light Oil	IC	20,118	32,494	$0.95	14.74	$0.06
Napakiak Ircinraq Power Co	Napakiak	Light Oil	IC	671				
Napaskiak Electric Utility	Napaskiak	Light Oil	IC	802	1,536	$1.75	12.44	$0.14
Naterkaq Light Plant	Chefornak	Light Oil	IC	868	1,629	$1.38	12.69	$0.11
Nelson Lagoon Electric Cooperative	Nelson Lagoon	Light Oil	IC	389	889	$1.63	10.43	$0.16
Nikolai Light & Power	Nikolai	Light Oil	IC	362	746	$1.67	11.55	$0.14
Nushagak Electric Coop In	Dillingham	Light Oil	IC	17,483	29,304	$0.95	14.20	$0.07
Pedro Bay Village Council	Pedro Bay	Light Oil	IC	258	616	$2.31	9.97	$0.23
Perryville, City of	Perryville	Light Oil	IC	439	920	$2.12	11.36	$0.19
Pilot Point Electrical	Pilot Point	Light Oil	IC	453	953	$1.28	11.31	$0.11
Platinum, City of	Platinum	Light Oil	IC	193	403	$2.57	11.37	$0.23
Port Heiden, City of	Port Heiden	Light Oil	IC	527	1,046	$1.36	11.99	$0.11

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Avg. Fuel Cost per Unit	KWh per Gallon	Fuel Cost per KWH
South West continued								
Puvurnaq Power Company	Kongiganak	Light Oil	IC	862	1,666	$1.35	12.32	$0.11
Sand Point Electric Company	Sand Point	Light Oil	IC	3,942	6,931	$1.55	13.54	$0.11
St. George Municipal Electric Utility	St. George	Light Oil	IC	1,137	1,027	$1.71	26.37	$0.06
St. Paul Municipal Electrical Utility	St. Paul	Light Oil	IC	3932	6568	$1.84	14.26	$0.13
Takotna Community Association Utilities	Takotna	Light Oil	IC	297	452	$1.54	15.64	$0.10
Tanalian Electric Cooperative	Port Alsworth	Light Oil	IC	636	1,227	$2.25	12.34	$0.18
Tuluksak Traditional Power Utility	Tuluksak	Light Oil	IC	440	1,225	$2.28	8.55	$0.27
Tuntutuliak Comm. Service Ass.	Tuntutuliak	Light Oil	IC	813	1,723	$1.66	11.23	$0.15
Twin Hills Village Council	Twin Hills Village	Light Oil	IC	22	83	$2.16	6.40	$0.34
Umnak Power Company	Nikolski	Light Oil	IC	163	435	$2.23	8.92	$0.25
Unalaska Electric Utility	Unalaska	Light Oil	IC	29474	49422	$1.19	14.20	$0.08
Unqusrag Power Company	Newtok	Light Oil	IC	368	841	$1.49	10.41	$0.14

Utility Name	Plant Name	Fuel Type	Prime Mover	Net Generation	Fuel Use *	Avg. Fuel Cost per Unit	KWh per Gallon	Fuel Cost per KWH
Yukon				834,519				
Alaska Power & Telephone	Al-Can border							
Alaska Power & Telephone	Allakaket	Light Oil	IC	576	1,127	$2.00	12.17	$0.16
Alaska Power & Telephone	Bettles	Light Oil	IC	812	1,468	$1.29	13.17	$0.10
Alaska Power & Telephone	Chistochina	Light Oil	IC	270	546	$1.24	11.77	$0.11
Alaska Power & Telephone	Dot Lake (See Tok)	Light Oil	IC					
Alaska Power & Telephone	Eagle	Light Oil	IC	731	1,436	$1.20	12.12	$0.10
Alaska Power & Telephone	Healy Lake	Light Oil	IC	135	296	$1.40	10.86	$0.13
Alaska Power & Telephone	Mentasta Lake	Light Oil	IC	332	681	$1.24	11.59	$0.11
Alaska Power & Telephone	Tetlin	Light Oil	IC	390	773	$1.39	12.01	$0.12
Alaska Power & Telephone	Tok	Light Oil	IC	11,559	18,956	$1.13	14.52	$0.08
Alaska Village Electric Coop	Alakanuk	Light Oil	IC	1,548	2,706	$1.24	13.62	$0.09
Alaska Village Electric Coop	Anvik	Light Oil	IC	445	884	$1.54	11.98	$0.13
Alaska Village Electric Coop	Chevak	Light Oil	IC	1,829	3,336	$1.25	13.05	$0.10
Alaska Village Electric Coop	Emmonak	Light Oil	IC	2,383	4,365	$1.23	13.00	$0.09
Alaska Village Electric Coop	Grayling	Light Oil	IC	506	1,036	$1.50	11.63	$0.13
Alaska Village Electric Coop	Holy Cross	Light Oil	IC	764	1,432	$1.49	12.70	$0.12
Alaska Village Electric Coop	Hooper Bay	Light Oil	IC	2,404	4,723	$1.25	12.12	$0.10
Alaska Village Electric Coop	Huslia	Light Oil	IC	863	1,779	$1.76	11.55	$0.15
Alaska Village Electric Coop	Kaltag	Light Oil	IC	695	1,516	$1.45	10.91	$0.13
Alaska Village Electric Coop	Marshall	Light Oil	IC	1,057	1,834	$1.23	13.72	$0.09
Alaska Village Electric Coop	Minto	Light Oil	IC	660	1,318	$1.11	11.93	$0.09
Alaska Village Electric Coop	Mt. Village	Light Oil	IC	2,472	4,466	$1.25	13.18	$0.09
Alaska Village Electric Coop	Nulato	Light Oil	IC	1,093	2,080	$1.60	12.51	$0.13
Alaska Village Electric Coop	Pilot Station	Light Oil	IC	1,383	2,536	$1.21	12.99	$0.09
Alaska Village Electric Coop	Russian MIS	Light Oil	IC	652	1,312	$1.19	11.83	$0.10
Alaska Village Electric Coop	Scammon Bay	Light Oil	IC	1,050	2,009	$1.26	12.45	$0.10
Alaska Village Electric Coop	Shageluk Bay	Light Oil	IC	370	684	$1.72	12.87	$0.13
Alaska Village Electric Coop	St. Mary's (Pika's Point)	Light Oil	IC	2,886	5,376	$1.25	12.78	$0.10
Beaver Joint Utilities	Beaver	Light Oil		137	362	$2.06	8.99	$0.23
Birch Creek Village Elec Util	Birch Creek	Light Oil		*120*				
Central Electric, Inc.	Central	Light Oil		640	1203	$1.40	12.66	$0.11
Chalkyitsik Village Energy System	Chalkyitsik	Light Oil		249	713	$2.30	8.34	$0.28
Circle Electric Utility	Circle	Light Oil		366	814	$1.25	10.69	$0.12
Galena, City of	Galena	Light Oil		9352	15784	$1.59	14.11	$0.11
Golden Valley Elec Assn	Fairbanks	Residual	GT	653	3,444			
Golden Valley Elec Assn	Fairbanks	Light Oil	GT	-296	245			
Golden Valley Elec Assn	Fairbanks	Light Oil	IC	-30	82			
Golden Valley Elec Assn	Healy	Light Oil	IC	1	6		3.97	
Golden Valley Elec Assn	Healy	Light Oil	ST	279	731		9.09	
Golden Valley Elec Assn	Healy	Bituminous	ST	194,008	180,663			
Golden Valley Elec Assn	North Pole	Light Oil	GT	614	1,298		11.26	
Golden Valley Elec Assn	North Pole	Residual	GT	579,314	1,053,135			
Gwitchyaa Zhee Utility Co	Ft. Yukon	Light Oil	IC	2,400	509	$1.45	112.26	$0.01
Hughes Power & Light	Hughes	Light Oil		179	733	$2.29	5.80	$0.39
Kotlik Electric Services	Kotlik	Light Oil		1436	3181	$1.34	10.75	$0.12
Koyukuk, City of	Koyukuk	Light Oil		244	505	$1.40	11.52	$0.12
Manley Utility Co Inc	Manley	Light Oil	IC	280	1,260	$1.05	5.29	$0.20
Nunam Iqua Electric Company	Sheldon Point	Light Oil	IC	572	1,120	$1.44	12.16	$0.12
Paxson Inn & Lodge	Denali	Light Oil		2014				
Ruby, City of	Ruby	Light Oil		654	1,457	$2.51	10.69	$0.23
Tanana Power Company	Tanana	Light Oil		1,456	2,600	$1.58	13.33	$0.12
Venetie Village Electric	Venetie	Light Oil		455	930	$1.92	11.65	$0.16

**Note:Fuel Use in Volume/Weight; coal in short tons, oil in 42 gallon barrels, gas in MCF(millions of cubic feet).*

(a) Generation value reflects "Total Sales" from PCE Report

(b) I-N-N and King Cove have some hydro generation, no values for separation by prime mover: efficiency values not valid for I-N-N.

Error in reported fuel usages for Gwitchyaa Zhee- fuel efficiency values not valid.

Table 2.4a 2001 Utility Energy Sales, Revenue and Customers

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
State Total		$221,223	1,885,745	237,110	$215,984	2,205,453	36,488	$82,113	1,077,423	884	$27,432	191,183	5,256	$639,625	5,419,836	272,161
Arctic Northwest		$9,197	41,414	7,109	$13,466	91,317	1,223	$79	185	8	$4,624	18,418	700	$27,541	151,596	9,039
South Central		$140,308	1,225,116	155,183	$153,027	1,733,837	22,795	$23,880	291,368	191	$5,215	32,082	759	$411,727	3,282,684	178,837
South East		$25,332	272,820	29,662	$16,453	177,680	4,485	$7,723	103,750	167	$8,788	111,914	2,651	$59,386	706,202	32,808
South West		$13,042	46,293	8,749	$16,976	68,502	2,276	$2,080	12,556	59	$5,314	18,510	715	$38,367	153,925	10,067
Yukon		$33,345	300,102	36,408	$16,062	134,118	5,709	$48,351	669,564	459	$3,491	10,260	433	$102,604	1,125,429	41,410
Arctic Northwest		**$9,197**	**41,414**	**7,109**	**$13,466**	**91,317**	**1,223**	**$79**	**185**	**8**	**$4,624**	**18,418**	**700**	**$27,541**	**151,596**	**9,039**
Alaska Village Electric Coop	Ambler	$191	400	87	$73	196	10				$181	464	20	$445	1,060	117
Alaska Village Electric Coop	Brevig Mission	$115	260	68	$28	88	2				$127	342	19	$270	690	89
Alaska Village Electric Coop	Gambell	$321	710	164	$97	281	8				$318	805	29	$736	1,796	201
Alaska Village Electric Coop	Kiana	$282	597	118	$67	183	7				$239	549	25	$588	1,329	151
Alaska Village Electric Coop	Kivalina	$174	388	70	$40	111	4				$176	538	16	$389	1,037	91
Alaska Village Electric Coop	Koyuk	$210	512	90	$60	198	7				$143	405	19	$414	1,115	116
Alaska Village Electric Coop	Noatak	$245	600	98	$49	171	5				$197	607	24	$491	1,379	127
Alaska Village Electric Coop	Noorvik	$404	884	144	$79	202	14				$223	582	20	$705	1,668	178
Alaska Village Electric Coop	Savoonga	$292	643	145	$83	235	9				$288	800	30	$663	1,678	184
Alaska Village Electric Coop	Selawik	$366	783	176	$96	255	8				$438	1,167	43	$901	2,205	227
Alaska Village Electric Coop	Shaktoolik	$156	383	61	$37	116	5				$99	279	14	$292	778	81
Alaska Village Electric Coop	Shishmaref	$331	739	151	$91	275	8				$201	532	22	$623	1,547	181
Alaska Village Electric Coop	Shungnak	$172	364	54	$173	520	4				$180	467	19	$524	1,352	77
Alaska Village Electric Coop	St. Michael	$170	412	91	$70	237	8				$161	460	20	$401	1,109	119
Alaska Village Electric Coop	Stebbins	$224	524	133	$64	206	5				$214	647	21	$502	1,376	158
Alaska Village Electric Coop	Wales	$98	216	53	$25	63	6				$101	253	14	$224	531	72
Arctic Utilities, Inc (now TDX)	Deadhorse	-	-	-	$3,914	25,601	95	-	-	-	-	-	-	$3,914	25,601	95
Barrow Utils & Electric Coop, Inc	Barrow	$1,015	11,390	1,461	$2,365	32,612	309	-	-	-	$322	4,194	103	$3,702	48,196	1,873
North Slope Borough	Anaktuvuk Pass		289	80		177	4								466	84
North Slope Borough	Atqasuk		218	54		214	3								432	57
North Slope Borough	Nuiqsut		359	96		250	5								610	101
North Slope Borough	Kaktovik		160	74		94	4								253	78
North Slope Borough	Point Hope		369	168		164	6								533	174
North Slope Borough	Point Lay		229	64		176	1								404	65
North Slope Borough	Wainwright		251	129		148	5								399	134
Buckland, City of	Buckland		306	78		98	5								404	83
Central Electric, Inc	Central	$123	256	140	$68	236	145	-	-	-	$79	240	102	$270	732	387
City of White Mountain	White Mountain	$107	249	63	$92	214	15	$79	185	8	$10	24	3	$288	672	89
Diomede Joint Utilities	Diomede		126	36		54	6							$0	179	42
Golovin Power Utilities	Golovin		133	49		65	23						12	$175	460	84
Ipnatchiaq Electric Company	Deering	$79	204	40	$130	356	13	-	-	-	$26	74	6	$235	634	59
Kotzebue Electric Assn, Inc	Kotzebue	$1,793	7,563	1,025	$2,730	12,592	138	-	-	-	-	-	-	$4,523	20,155	1,163
Nome Joint Utility Systems	Nome	$1,767	9,111	1,522	$2,204	12,091	238	-	-	-	$901	4,988	119	$4,872	26,190	1,879
Teller Power Company, Inc	Teller	$145	271	70	$222	439	27	-	-	-	-	-	-	$367	710	97
Unalakleet Valley Elec Coop	Unalakleet	$418	1,516	258	$609	2,398	69	-	-	-	-	-	-	$1,027	3,914	327
Alaska Village Electric Coop	Regional Total	$3,750	8,415	1,702	$1,132	3,338	112				$3,286	8,898	355	$8,168	20,650	2,168
North Slope Borough	Total NSB		1,875	665		1,222	28								3,098	693

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
South Central		**$140,308**	**1,225,116**	**155,183**	**$153,027**	**1,733,837**	**22,795**	**$23,880**	**291,368**	**191**	**$5,215**	**32,082**	**759**	**$411,727**	**3,282,684**	**178,837**
Akhiok, City of	Akhiok		90	33		59	6								202	
Alutiiq Power Company	Karluk		47	17		10	4								147	
Alaska Village Electric Coop	Old Harbor	$175	349	94	$31	65	7				$131	254	18	$336	668	118
Chenega Bay IRA Village Council	Chenega Bay		89	27		34	3								259	
Chitina Electric, Inc	Chitina	$43	122	35	$77	268	26	-	-	-	$4	14	1	$124	404	62
Chugach Electric Assn, Inc	Anchorage	$58,140	521,557	62,946	$50,363	557,619	7,973	$2,203	28,240	6	$1,320	4,767	65	$178,595	1,112,183	70,990
City of Anchorage	Anchorage	$14,099	148,399	23,732	$53,401	721,040	5,954	-	-	-	$1,331	10,303	267	$87,431	879,742	29,953
City of Chignik	Chignik	$66	220	54	$83	276	14	-	-	-	$28	99	11	$181	595	79
City of Larsen Bay	Larsen Bay	$91	229	55	$129	152	13	$23	57	11	$14	39	2	$260	477	81
City of Ouzinkie	Ouzinkie	$107	334	81	$75	235	7	-	-	-	$31	84	6	$213	653	94
City of Seward	Seward	$2,047	15,268	1,832	$892	5,910	305	$1,951	21,804	52	$1,491	11,958	145	$6,481	54,940	2,334
Copper Valley Elec Assn, Inc	Valdez/Cordova/ Copper	$3,178	18,045	2,728	$8,409	56,204	656	-	-	-	$228	1,399	83	$13,066	75,648	3,467
Cordova Electric Coop, Inc	Cordova	$1,463	5,577	958	$2,370	10,622	657	$914	5,245	6	$121	403	39	$4,933	21,847	1,660
Homer Electric Assn, Inc	Homer	$17,512	151,667	20,616	$15,280	161,720	3,190	$7,739	162,211	26	$151	1,225	87	$41,084	476,823	23,919
Kodiak Electric Assn, Inc	Kodiak	$5,121	30,613	4,478	$3,131	20,077	948	$11,050	73,811	90	$210	846	5	$20,394	125,347	5,521
Matanuska Electric Assn Inc	Mat-Su	$38,166	332,253	37,466	$18,718	199,372	3,016	-	-	-	$153	687	28	$58,459	532,312	40,510
Tatitlek Electric Utility	Tatitlek	$100	258	31	$68	174	16	-	-	-	$2	4	2	$170	436	49
South East		**$25,332**	**272,820**	**29,662**	**$16,453**	**177,680**	**4,485**	**$7,723**	**103,750**	**167**	**$8,788**	**111,914**	**2,651**	**$59,386**	**706,202**	**32,808**
Alaska Electric Light & Power Co	Juneau	$12,428	130,228	12,807	$3,885	47,025	1,396	$4,058	57,491	96	$5,082	72,993	646	$25,842	307,737	14,945
Alaska Power & Telephone Co.	Coffman Cove		336	117		84	10								692	
Alaska Power & Telephone Co.	Craig, Klawock		4,171	1,060		1,363	54								20,762	
Alaska Power & Telephone Co.	Haines		3,286	865		485	22								11,209	
Alaska Power & Telephone Co.	Hollis		261	82		4	1								475	
Alaska Power & Telephone Co.	Hydaburg		592	129		143	12								1,370	
Alaska Power & Telephone Co.	Naukati		166	50		0	0								473	
Alaska Power & Telephone Co.	Skagway		1,699	545		718	42								10,345	
Alaska Power & Telephone Co.	Whale Pass		97	42		2	1								227	
City & Borough of Sitka	Sitka	$3,517	39,087	3,373	$2,651	28,555	552	-	-	-	$2,059	24,535	903	$8,227	92,177	4,828
City of Elfin Cove	Elfin Cove	$47	182	46	$30	116	21	-	-	-	$6	28	6	$83	326	73
City of Ketchikan	Ketchikan	$5,432	58,009	5,622	$6,182	69,353	1,106	$2,026	28,357	11	$409	2,885	481	$14,405	158,604	7,220
City of Petersburg	Petersburg	$1,264	13,084	1,319	$530	6,044	281	$1,432	16,574	29	$189	1,044	363	$3,415	36,746	1,992
City of Tenakee Springs	Tenakee	$71	222	95	$41	128	27	-	-	-	$12	40	10	$124	390	132
City of Thorne Bay	Thorne Bay	$159	704	149	$123	493	47	$85	356	20	$111	507	20	$478	2,060	236
City of Wrangell	Wrangell	$912	8,176	1,050	$1,236	11,587	486	$5	68	1	$185	4,935	1	$2,431	24,766	1,538
Gustavus Electric, Inc	Gustavus	$484	817	339	$174	328	78	-	-	-	$130	344	27	$788	1,489	444
Metlakatla Power & Light	Metlakatla	$529	5,719	561	$453	4,035	114	$117	904	10	$347	3,338	143	$1,448	13,996	828
Pelican Utility, Inc	Pelican	$71	462	81	$215	1,556	100	-	-	-	-	-	-	$286	2,018	181
Tlingit Haida Regional Electric Authority	Angoon		705	198		129	8								1,706	
Tlingit Haida Regional Electric Authority	Chilkat Valley		449	168		1	1								963	
Tlingit Haida Regional Electric Authority	Hoonah		1,376	341		655	22								5,904	
Tlingit Haida Regional Electric Authority	Kake		1,057	291		457	11								3,849	
Tlingit Haida Regional Electric Authority	Kasaan		89	27		1	2								249	
Tlingit Haida Regional Electric Authority	Klukwan		176	50		42	6								354	
Yakutat Power, Inc	Yakutat	$418	1,672	255	$933	4,376	85	-	-	-	$258	1,265	51	$1,859	7,313	391
Alaska Power & Telephone Co.	Regional Total		10,607	2,890		2,798	142								45,554	
Tlingit & Haida Region Electric Authority	Total THREA	$2,061	5,530	1,058	$1,820	6,448	214	-	-	-	$86	233	27	$4,015	12,211	1,299

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
South West		**$13,042**	**46,293**	**8,749**	**$16,976**	**68,502**	**2,276**	**$2,080**	**12,556**	**59**	**$5,314**	**18,510**	**715**	**$38,367**	**153,925**	**10,067**
Akiachak Native Community Elec	Akiachak	$152	420	144	$250	617	40	-	-	-	-	-	-	$402	1,037	184
Akiak, City of	Akiak		155	78		0	11								782	
Andreanof Electric Corporation	Atka	$59	128	33	$37	85	4	-	-	-	$46	102	5	$142	315	42
Aniak Light & Power Co, Inc	Aniak	$458	959	173	$524	1,206	42	-	-	-	-	-	-	$982	2,165	215
Atmautluak Tribal Utilities	Atmautluak	$120	257	61	$80	204	6	-	-	-	$22	137	1	$222	598	68
	Eek	$152	343	89	$23	67	3				$93	235	17	$267	645	109
Alaska Village Electric Coop	Elim	$200	466	89	$70	210	10				$127	313	19	$396	990	117
Alaska Village Electric Coop	Goodnews Bay	$127	271	76	$42	122	4				$100	250	13	$269	643	93
Alaska Village Electric Coop	Grayling	$97	219	59	$14	35	5				$98	229	17	$208	484	81
Alaska Village Electric Coop	Kasigluk	$227	549	108	$52	169	9				$182	563	21	$460	1,281	137
Alaska Village Electric Coop	Lower Kalskag	$126	293	82	$22	81	1				$60	156	13	$207	530	96
Alaska Village Electric Coop	Mekoryuk	$125	291	83	$50	139	11				$126	334	19	$301	764	112
Alaska Village Electric Coop	New Stuyahok	$264	594	109	$57	195	4				$128	359	17	$450	1,148	130
Alaska Village Electric Coop	Nightmute	$113	227	47	$46	119	6				$74	165	15	$233	512	67
Alaska Village Electric Coop	Nunapitchuk	$191	456	113	$27	87	4				$150	459	20	$369	1,003	137
Alaska Village Electric Coop	Quinhagak	$272	601	151	$96	270	11				$191	507	22	$559	1,378	183
Alaska Village Electric Coop	Togiak	$470	1,105	229	$133	442	9				$274	784	33	$877	2,331	271
Alaska Village Electric Coop	Toksook Bay	$240	528	110	$67	171	10				$168	420	20	$475	1,118	140
Alaska Village Electric Coop	Tununak	$142	319	79	$32	81	7				$125	332	19	$299	732	105
Alaska Village Electric Coop	Upper Kalsag	$148	353	67	$22	61	4				$72	182	12	$241	596	83
Bethel Utilities Corporation	Bethel	$2,738	9,705	1,555	$6,498	27,845	804	-	-	-	-	-	-	$9,908	37,550	2,359
Chignik Lagoon Power Utility	Chignik Lagoon		185	80		57	9								590	
Chignik Lake Electric Utility, Inc.	Chignik Lake		169	37		34	6								296	
City of Akutan	Akutan	$120	400	62	-	-	-	-	-	-	-	-	-	$120	400	62
City of Chefornak	Chefornak	$126	365	76	$29	84	7	$51	144	18	-	-	-	$206	593	101
City of King Cove	King Cove	$385	1,900	120	$22	100	4	-	-	-	$243	1,200	10	$650	3,200	134
City of Manokotak	Manokotak	$170	492	98	$28	83	19	-	-	-	$101	308	22	$299	883	139
City of Saint Paul	Saint Paul	$414	1,124	151	$345	1,078	25	$204	608	15	$246	666	31	$1,209	3,476	222
City of Unalaska	Unalaska	$937	4,043	432	$1,782	8,548	109	$1,647	11,333	12	$616	3,173	161	$4,982	27,097	714
Egegik Light & Power Company	Egegik	$98	175	53	$197	360	39	$57	201	1	-	-	-	$352	736	93
Ekwok Electric	Ekwok		159	57		29	7								440	
False Pass Electric Association	False Pass		60	26		53	9								437	51
G & K, Inc	Cold Bay	$180	415	60	$874	2,069	48	$86	203	1	-	-	-	$1,140	2,687	109
Igiugig Electric Company	Igiugig	$37	63	20	$63	117	9	-	-	-	$15	34	8	$115	214	37
I-N-N Electric Coop, Inc	Iliamna/Nondalto n/Newhalen	$406	800	175	$614	1,300	103	-	-	-	-	-	-	$1,020	2,100	278
Kipnuk Light Plant	Kipnuk		624	141		212	7								1,471	
Kokhanok Village Council	Kokhanok	$90	164	47	$13	24	5	$30	56	11	-	-	-	$133	244	63
Koliganek Village Council	Koliganek		168	62		46	7								380	
Kuiggluum Kallugvia	Kwethluk	$283	622	158	$158	359	5	-	-	-	$474	246	24	$915	1,227	187
Kwig Power Company	Kwigillingok	$215	456	87	$76	117	16	-	-	-	$7	45	3	$303	618	106
Levelock Electric Cooperative	Levelock		141	46		48	15								478	
Lime Village Electric Company	Lime Village		23	15		19	3								70	
McGrath Light & Power Company	McGrath	$336	886	178	$326	938	42	-	-	-	$362	1,013	20	$1,024	2,837	240
Middle Kuskokwim Electric Co-op	Chuathbaluk		91	32		14	6								175	
Middle Kuskokwim Electric Co-op	Crooked Creek		116	33		27	3								234	
Middle Kuskokwim Electric Co-op	Red Devil		47	14		6	2								130	
Middle Kuskokwim Electric Co-op	Sleetmute		101	36		22	3								196	
Middle Kuskokwim Electric Co-op	Stony River		24	17		9	2								119	
Naknek Electric Assn, Inc	Naknek	$954	4,171	723	$2,292	10,650	325	-	-	-	$578	3,739	1	$3,943	18,560	1,049
Napakiak Ircinraq Power Co	Napakiak	$227	391	96	$66	90	10	-	-	-	$39	85	13	$332	566	119
Napaskiak Electric Utility	Napaskiak		274	95		45	6								626	
Native Village of Perryville	Perryville	$53	178	35	$57	191	7	-	-	-	-	-	-	$110	369	42
Nelson Lagoon Elec Coop, Inc	Nelson Lagoon	$99	214	42	$74	180	6	-	-	-	-	-	-	$173	394	48
Nikolai Light & Power	Nikolai		115	33		86	6								329	
Nushagak Electric Coop, Inc	Nushagak	$1,279	5,975	965	$1,721	8,164	319	-	-	-	$475	2,186	128	$3,634	16,325	1,412

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
South West continued																
Pedro Bay Village Council	Pedro Bay	$49	82	26	$66	110	7	-	-	-	$39	66	5	$154	258	38
Pilot Point Electrical	Pilot Point		122	47		52	8								388	
Platinum, City of	Platinum		40	24		5	3								128	
Port Heiden, City of	Port Heiden		22	45		2	3								461	
Puvurnaq Power Company	Kongiganak		303	85		56	3								742	
Sand Point Electric Company	Sand Point		1,089	291		599	23								3,665	
St. George Municipal Electric Utility	St. George		202	53		119	6								795	
Takotna Community Association Utilities	Takotna		65	28		40	6								265	
Tanalian Electric Cooperative	Port Alsworth		168	56		0	0								578	
Tuluksak Traditional Power Utility	Tuluksak		194	75		43	4								388	
Tuntutuliak Comm Services Assn	Tuntutuliak	$165	358	77	$31	67	6	$5	11	1	$84	221	8	$285	657	92
Twin Hills Village Council	Twin Hills		13	25		5	5								22	
Umnak Power Company	Nikolski		40	14		18	5								134	
Unqusraq Power Company	Newtok		224	66		20	3								346	
Alaska Village Electric Corp.	Regional Total	$2,892	6,617	1,491	$753	2,248	98				$1,967	5,289	275	$5,612	14,154	1,863
Middle Kuskokwim Elec Co-op.	Total MKEC	$320	442	138	$229	336	28	-	-	-	$55	78	17	$612	856	183

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
Yukon		**$33,345**	**300,102**	**36,408**	**$16,062**	**134,118**	**5,709**	**$48,351**	**669,564**	**459**	**$3,491**	**10,260**	**433**	**$102,604**	**1,125,429**	**41,410**
Alaska Power & Telephone Co.	Allakaket, Alatna		184	70		136	17								520	
Alaska Power & Telephone Co.	Bettles, Evansville		97	27		38	7								702	
Alaska Power & Telephone Co.	Chistochina		85	34		29	2								254	
Alaska Power & Telephone Co.	Dot Lake		89	25		37	1								357	
Alaska Power & Telephone Co.	Eagle, Eagle Village		306	142		21	9								642	
Alaska Power & Telephone Co.	Healy Lake		37	13		18	4								107	
Alaska Power & Telephone Co.	Mentasta		74	32		87	6								301	
Alaska Power & Telephone Co.	Northway, Northway Village		351	103		80	5								1,446	
Alaska Power & Telephone Co.	Tetlin		123	48		23	2								320	
Alaska Power & Telephone Co.	Tok		2,460	656		66	9								10,041	
Alaska Village Electric Coop	Alakanuk	$264	644	138	$54	162	7				$218	669	24	$536	1,475	169
Alaska Village Electric Coop	Andreafsky	$74	173	44	$157	489	10				$48	132	5	$278	795	59
Alaska Village Electric Coop	Anvik	$82	182	48	$20	49	6				$81	196	19	$183	426	74
Alaska Village Electric Coop	Chevak	$274	648	165	$85	260	10				$277	861	24	$636	1,768	199
Alaska Village Electric Coop	Emmonak	$391	945	199	$105	328	14				$346	1,024	41	$842	2,297	253
Alaska Village Electric Coop	Holy Cross	$176	403	79	$22	57	6				$112	288	18	$311	749	104
Alaska Village Electric Coop	Hooper Bay	$371	851	209	$163	506	15				$306	963	23	$840	2,321	247
Alaska Village Electric Coop	Huslia	$230	493	104	$16	36	5				$127	306	23	$374	836	131
Alaska Village Electric Coop	Kaltag	$149	330	72	$34	90	5				$106	263	20	$289	683	97
Alaska Village Electric Coop	Marshall	$210	516	90	$37	105	6				$128	398	15	$375	1,019	111
Alaska Village Electric Coop	Minto	$162	359	86	$15	37	5				$89	229	11	$266	625	102
Alaska Village Electric Coop	Mountain Village	$377	951	178	$86	276	12				$345	1,119	37	$808	2,347	227
Alaska Village Electric Coop	Nulato	$208	474	108	$20	50	6				$183	518	26	$410	1,042	140
Alaska Village Electric Coop	Pilot Station	$269	652	122	$70	237	4				$158	448	19	$497	1,337	145
Alaska Village Electric Coop	Pitkas Point	$48	111	341							$58	170	7	$106	281	348
Alaska Village Electric Coop	Russian Mission	$135	309	70	$26	69	4				$105	295	16	$266	673	90
Alaska Village Electric Coop	Scammon Bay	$249	586	100	$31	79	7				$139	346	19	$418	1,012	126
Alaska Village Electric Coop	Shageluk	$66	145	43	$24	66	3				$59	148	9	$149	360	55
Alaska Village Electric Coop	St. Mary's	$240	572	120	$54	136	10				$346	971	31	$640	1,679	161
Beaver Joint Utilities	Beaver		44	63		2	10								141	
Birch Creek Village Elec Util	Birch Creek	$20	30	19	$35	71	4	-	-	-	$4	7	2	$59	108	25
Chalkyitsik Village Energy System	Chalkyitsik		68	43		0	0								227	
Circle Electric Utility	Circle		90	31		38	5								328	51
City of Kotlik	Kotlik	$180	596	140	$172	575	12	-	-	-	$27	94	11	$379	1,265	163
Galena Electric Utility	Galena	$279	1,007	200	$435	1,548	74	$1,404	5,255	35	$103	360	12	$2,343	8,170	321
Golden Valley Elec Assn Inc	Fairbanks	$28,135	283,060	31,693	$13,338	124,023	5,253	$46,947	664,309	424	-	-	-	$89,816	1,071,392	37,370
Gwitchyaa Zhee Utility Company	Ft. Yukon	$299	810	251	$432	1,265	73	-	-	-	$71	192	7	$802	2,267	331
Hughes Power & Light Co	Hughes	$33	62	30	$43	81	9	-	-	-	$14	30	4	$90	173	43
Kobuk Valley Electric Company	Kobuk Valley		91	33		52	6								330	
Manley Utility Company, Inc	Manley	$87	114	68	$93	130	18	-	-	-	-	-	-	$180	244	86
Nunam Iqua Electric Company	Sheldon Point	$43	114	35	$92	248	6				$32	210	11		505	
Paxson Inn & Lodge	Paxson	$2	84	2	$47	1,596	6	-	-	-	-	-	-	$49	1,680	8
Ruby, City of	Ruby		188	103		128	13								551	
Tanana Power Company, Inc	Tanana	$292	486	157	$357	718	16	-	-	-	$11	22	1	$664	1,226	174
Venetie Village Electric	Venetie		107	74		73	5								408	
Alaska Power & Telephone Co.	Regional Total		3,805	1,150		536	62								14,691	
Alaska Village Electric Coop.	Regional Total	$3,974	9,345	2,316	$1,018	3,034	137				$3,230	9,344	385	$8,222	21,723	2,838

Utility Name	Community	Residential			Commercial			Industrial			Other			Total		
		Revenue ($000)	Sales (MWh)	Consumers (Accounts)	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers	Rev	Sales	Consumers
Special Categories																
Alaska Power & Telephone Co.	Total APC		14,412	4,040		3,334	204								60,244	
South East	Regional Total		10,607	2,890		2,798	142								45,554	
Yukon	Regional Total		3,805	1,150		536	62								14,691	
Alaska Village Electric Coop	Total AVEC	$10,791	24,726	5,602	$2,934	8,685	354				$8,613	23,785	1,031	$22,338	57,196	6,987
Arctic Northwest	Regional Total	$3,750	8,415	1,702	$1,132	3,338	112				$3,286	8,898	355	$8,168	20,650	2,168
South Central	Regional Total	$175	349	94	$31	65	7				$131	254	18	$336	668	118
Southwest	Regional Total	$2,892	6,617	1,491	$753	2,248	98				$1,967	5,289	275	$5,612	14,154	1,863
Yukon	Regional Total	$3,974	9,345	2,316	$1,018	3,034	137				$3,230	9,344	385	$8,222	21,723	2,838
Railbelt		$158,099	1,452,204	178,285	$151,992	1,769,684	25,691	$58,840	876,564	508	$4,446	28,940	592	$461,866	4,127,392	205,076
Chugach Electric Assn, Inc	Anchorage	$58,140	521,557	62,946	$50,363	557,619	7,973	$2,203	28,240	6	$1,320	4,767	65	$178,595	1,112,183	70,990
City of Anchorage	Anchorage	$14,099	148,399	23,732	$53,401	721,040	5,954	-	-	-	$1,331	10,303	267	$87,431	879,742	29,953
City of Seward	Seward	$2,047	15,268	1,832	$892	5,910	305	$1,951	21,804	52	$1,491	11,958	145	$6,481	54,940	2,334
Homer Electric Assn, Inc	Homer	$17,512	151,667	20,616	$15,280	161,720	3,190	$7,739	162,211	26	$151	1,225	87	$41,084	476,823	23,919
Matanuska Electric Assn Inc	Mat-Su	$38,166	332,253	37,466	$18,718	199,372	3,016	-	-	-	$153	687	28	$58,459	532,312	40,510
Golden Valley Elec Assn Inc	Fairbanks	$28,135	283,060	31,693	$13,338	124,023	5,253	$46,947	664,309	424	-	-	-	$89,816	1,071,392	37,370

*Totals may reflect values not accounted for in other fields (sales for resale). Some totals were supplied by EIA and contributing values were taken from secondary source to fill in details.

Table 2.4b 2001 Utility Average Annual Energy Use and Cost

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
State Total		7,953	$933	11.7	60,444	$5,919	9.8	1,218,804	$92,888	7.6	36,372	$5,219	14.3
Arctic Northwest		5,826	$1,294	22.2	74,666	$11,011	14.7	23,125	$9,875	42.7	26,326	$6,610	25.1
South Central		7,895	$904	11.5	76,061	$6,713	8.8	1,525,487	$125,026	8.2	42,291	$6,874	16.3
South East		9,198	$854	9.3	39,616	$3,668	9.3	621,257	$46,246	7.4	42,216	$3,315	7.9
South West		5,291	$1,491	28.2	30,101	$7,459	24.8	212,814	$35,254	16.6	25,906	$7,437	28.7
Yukon		8,243	$916	11.1	23,494	$2,814	12.0	1,458,745	$105,340	7.2	23,716	$8,070	34.0
Arctic Northwest		5,826	$1,294	22.2	74,666	$11,011	14.7	23,125	$9,875	42.7	26,326	$6,610	25.1
Alaska Village Electric Coop	Ambler	4,598	$2,195	47.3	19,600	$7,300	37.2				23,200	$9,050	39.0
Alaska Village Electric Coop	Brevig Mission	3,824	$1,691	42.9	44,000	$14,000	31.8				18,000	$6,684	37.1
Alaska Village Electric Coop	Gambell	4,329	$1,957	44.7	33,855	$11,687	34.5				28,063	$11,084	39.5
Alaska Village Electric Coop	Kiana	5,046	$2,380	46.8	25,055	$9,178	36.6				21,782	$9,488	43.6
Alaska Village Electric Coop	Kivalina	5,534	$2,476	43.5	25,295	$9,114	36.0				33,606	$10,969	32.6
Alaska Village Electric Coop	Koyuk	5,700	$2,338	40.6	27,837	$8,487	30.5				21,221	$7,509	35.4
Alaska Village Electric Coop	Noatak	6,128	$2,504	39.9	32,332	$9,166	28.4				25,735	$8,363	32.5
Alaska Village Electric Coop	Noorvik	6,160	$2,813	45.6	14,433	$5,659	39.2				28,674	$10,962	38.2
Alaska Village Electric Coop	Savoonga	4,444	$2,016	44.3	25,258	$8,951	35.4				26,575	$9,576	36.0
Alaska Village Electric Coop	Selawik	4,443	$2,078	45.5	31,890	$11,981	37.6				27,138	$10,195	37.6
Alaska Village Electric Coop	Shaktoolik	6,289	$2,555	40.6	21,542	$6,879	31.9				19,494	$6,956	35.7
Alaska Village Electric Coop	Shishmaref	4,896	$2,192	44.0	34,432	$11,405	33.1				23,874	$9,010	37.7
Alaska Village Electric Coop	Shungnak	6,800	$3,208	47.7	118,290	$39,263	33.2				24,216	$9,303	38.4
Alaska Village Electric Coop	St. Michael	4,515	$1,866	40.4	29,633	$8,708	29.4				23,594	$8,237	34.9
Alaska Village Electric Coop	Stebbins	3,943	$1,689	41.3	41,107	$12,733	31.0				31,558	$10,434	33.1
Alaska Village Electric Coop	Wales	4,110	$1,859	44.2	11,417	$4,579	40.1				18,441	$7,367	39.9
Arctic Utilities, Inc (now TDX)	Deadhorse				269,484	$41,200	15.3						
Barrow Utils & Electric Coop, Inc	Barrow	7,796	$695	8.9	105,540	$7,654	7.3				40,718	$3,126	7.7
North Slope Borough	Anaktuvuk Pass	3,614		15.0	44,194								
North Slope Borough	Atqasuk	4,042		15.0	71,228								
North Slope Borough	Nuiqsut	3,744		15.0	50,029								
North Slope Borough	Kaktovik	2,158		13.1	23,431								
North Slope Borough	Point Hope	2,199		13.1	27,287								
North Slope Borough	Point Lay	3,572		15.0	175,761								
North Slope Borough	Wainwright	1,944		13.1	29,677								
Buckland, City of	Buckland	3,921		37.0	19,684								
Central Electric, Inc	Central	1,829	$879	48.0	1,628	$469	28.8				2,353	$775	32.9
City of White Mountain	White Mountain	3,952	$1,698	43.0	14,267	$6,133	43.0	23,125	$9,875	42.7	8,000	$3,333	41.7
Diomede Joint Utilities	Diomede	3,486		43.0	8,986								
Golovin Power Utilities	Golovin	2,706		38.0	2,836								
Ipnatchiaq Electric Company	Deering	5,100	$1,975	38.7	27,385	$10,000	36.5				12,333	$4,333	35.1
Kotzebue Electric Assn, Inc	Kotzebue	7,379	$1,749	23.7	91,246	$19,783	21.7						
Nome Joint Utility Systems	Nome	5,986	$1,161	19.4	50,803	$9,261	18.2				41,916	$7,571	18.1
Teller Power Company, Inc	Teller	3,871	$2,071	53.5	16,259	$8,222	50.6						
Unalakleet Valley Elec Coop	Unalakleet	5,876	$1,620	27.6	34,754	$8,826	25.4						
Alaska Village Electric Coop	Regional Total	4,945	$2,204	*43.9*	29,803	$10,106	33.9				25,093	$9,267	36.9
North Slope Borough	Total NSB	2,820		*14.2*	43,650								

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
South Central		7,895	$904	11.5	76,061	$6,713	8.8	1,525,487	$125,026	8.2	42,291	$6,874	16.3
Akhiok, City of	Akhiok	2,716	$0	37.0	9,809								
Alutiiq Power Company	Karluk	2,740	$0	60.0	2,496								
Alaska Village Electric Coop	Old Harbor	3,736	$1,870	48.4	8,900	$4,219	47.4				14,416	$7,433	51.6
Chenega Bay IRA Village Council	Chenega Bay	3,290	$0	29.5	11,443	$0	0.0						
Chitina Electric, Inc	Chitina	3,486	$1,229	35.2	10,308	$2,962	28.7				14,000	$4,000	28.6
Chugach Electric Assn, Inc	Anchorage	8,286	$924	11.1	69,938	$6,317	9.0	4,706,667	$367,167	7.8	73,338	$20,308	27.7
City of Anchorage	Anchorage	6,253	$594	9.5	121,102	$8,969	7.4				38,588	$4,985	12.9
City of Chignik	Chignik	4,074	$1,222	30.0	19,714	$5,929	30.1				9,000	$2,545	28.3
City of Larsen Bay	Larsen Bay	4,164	$1,655	39.7	11,692	$9,923	84.9	5,182	$2,091	40.4	19,500	$7,000	35.9
City of Ouzinkie	Ouzinkie	4,123	$1,321	32.0	33,571	$10,714	31.9				14,000	$5,167	36.9
City of Seward	Seward	8,334	$1,117	13.4	19,377	$2,925	15.1	419,308	$37,519	8.9	82,469	$10,283	12.5
Copper Valley Elec Assn, Inc	Valdez/Cordova/Copper	6,615	$1,165	17.6	85,677	$12,819	15.0				16,855	$2,747	16.3
Cordova Electric Coop, Inc	Cordova	5,822	$1,527	26.2	16,167	$3,607	22.3	874,167	$152,333	17.4	10,333	$3,103	30.0
Homer Electric Assn, Inc	Homer	7,357	$849	11.5	50,696	$4,790	9.4	6,238,885	$297,654	4.8	14,080	$1,736	12.3
Kodiak Electric Assn, Inc	Kodiak	6,836	$1,144	16.7	21,178	$3,303	15.6	820,122	$122,778	15.0	169,200	$42,000	24.8
Matanuska Electric Assn Inc	Mat-Su	8,868	$1,019	11.5	66,105	$6,206	9.4				24,536	$5,464	22.3
Tatitlek Electric Utility	Tatitlek	8,323	$3,226	38.8	10,875	$4,250	39.1				2,000	$1,000	50.0

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
South East		9,198	$854	9.3	39,616	$3,668	9.3	621,257	$46,246	7.4	42,216	$3,315	7.9
Alaska Electric Light & Power Co	Juneau	10,169	$970	9.5	33,686	$2,783	8.3	598,865	$42,271	7.1	112,992	$7,867	7.0
Alaska Power & Telephone Co.	Coffman Cove	2,868		32.1	8,357								
Alaska Power & Telephone Co.	Craig, Klawock	3,935		18.1	25,242								
Alaska Power & Telephone Co.	Haines	3,799		17.8	22,066								
Alaska Power & Telephone Co.	Hollis	3,179		18.5	3,631								
Alaska Power & Telephone Co.	Hydaburg	4,590		18.5	11,898								
Alaska Power & Telephone Co.	Naukati	3,316		30.9									
Alaska Power & Telephone Co.	Skagway	3,117		17.8	17,090								
Alaska Power & Telephone Co.	Whale Pass	2,306		34.1	1,918								
City & Borough of Sitka	Sitka	11,588	$1,043	9.0	51,730	$4,803	9.3				27,171	$2,280	8.4
City of Elfin Cove	Elfin Cove	3,957	$1,022	25.8	5,524	$1,429	25.9				4,667	$1,000	21.4
City of Ketchikan	Ketchikan	10,318	$966	9.4	62,706	$5,590	8.9	2,577,909	$184,182	7.1	5,998	$850	14.2
City of Petersburg	Petersburg	9,920	$958	9.7	21,509	$1,886	8.8	571,517	$49,379	8.6	2,876	$521	18.1
City of Tenakee Springs	Tenakee Springs	2,337	$747	32.0	4,741	$1,519	32.0				4,000	$1,200	30.0
City of Thorne Bay	Thorne Bay	4,725	$1,067	22.6	10,489	$2,617	24.9	17,800	$4,250	23.9	25,350	$5,550	21.9
City of Wrangell	Wrangell	7,787	$869	11.2	23,842	$2,543	10.7	68,000	$5,000	7.4	4,935,000	$185,000	3.7
Gustavus Electric, Inc	Gustavus	2,410	$1,428	59.2	4,205	$2,231	53.0				12,741	$4,815	37.8
Metlakatla Power & Light	Metlakatla	10,194	$943	9.2	35,395	$3,974	11.2	90,400	$11,700	12.9	23,343	$2,427	10.4
Pelican Utility, Inc	Pelican	5,704	$877	15.4	15,560	$2,150	13.8						
Tlingit Haida Regional Electric Authority	Angoon	3,558		34.6	16,110								
Tlingit Haida Regional Electric Authority	Chilkat Valley	2,672		34.6	604								
Tlingit Haida Regional Electric Authority	Hoonah	4,034		34.6	29,762								
Tlingit Haida Regional Electric Authority	Kake	3,632		34.6	41,573								
Tlingit Haida Regional Electric Authority	Kasaan	3,298		34.6	727								
Tlingit Haida Regional Electric Authority	Klukwan	3,521		34.6	7,054								
Yakutat Power, Inc	Yakutat	6,557	$1,639	25.0	51,482	$10,976	21.3				24,804	$5,059	20.4
Alaska Power & Telephone Co.	Regional Total	3,670		*18.8*	19,706								
Tlingit & Haida Region Electric Authority	Total THREA	5,227	$1,948	34.6	30,131	$8,505	28.2				8,630	$3,185	36.9

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
South West		5,291	$1,491	28.2	30,101	$7,459	24.8	212,814	$35,254	16.6	25,906	$7,437	28.7
Akiachak Native Community Elec	Akiachak	2,917	$1,056	36.2	15,425	$6,250	40.5						
Akiak, City of	Akiak	1,981		39.0									
Andreanof Electric Corporation	Atka	3,879	$1,788	46.1	21,250	$9,250	43.5				20,400	$9,200	45.1
Aniak Light & Power Co, Inc	Aniak	5,543	$2,647	47.8	28,714	$12,476	43.4						
Atmautluak Tribal Utilities	Atmautluak	4,213	$1,967	46.7	34,000	$13,333	39.2				137,000	$22,000	16.1
	Eek	3,862	$1,707	43.2	22,256	$7,540	33.9				13,934	$5,485	39.4
Alaska Village Electric Coop	Elim	5,264	$2,256	41.9	20,982	$6,957	33.2				16,944	$6,839	40.4
Alaska Village Electric Coop	Goodnews Bay	3,546	$1,658	45.4	30,401	$10,616	34.9				19,258	$7,675	39.9
Alaska Village Electric Coop	Grayling	3,693	$1,629	42.5	7,080	$2,817	39.8				13,480	$5,738	42.6
Alaska Village Electric Coop	Kasigluk	5,101	$2,104	43.5	19,152	$5,885	30.7				27,449	$8,862	32.3
Alaska Village Electric Coop	Lower Kalskag	3,560	$1,525	41.3	80,729	$21,820	27.0				12,514	$4,792	38.3
Alaska Village Electric Coop	Mekoryuk	3,519	$1,514	41.1	12,863	$4,598	35.7				17,848	$6,747	37.8
Alaska Village Electric Coop	New Stuyahok	5,433	$2,416	42.1	48,641	$14,369	29.5				21,237	$7,566	35.6
Alaska Village Electric Coop	Nightmute	4,879	$2,426	48.4	19,819	$7,664	38.7				11,167	$5,009	44.9
Alaska Village Electric Coop	Nunapitchuk	4,030	$1,688	40.2	21,834	$6,871	31.5				22,721	$7,426	32.7
Alaska Village Electric Coop	Quinhagak	3,990	$1,802	43.6	25,018	$8,923	35.7				23,459	$8,861	37.8
Alaska Village Electric Coop	Togiak	4,835	$2,056	41.8	47,521	$14,256	30.0				23,478	$8,217	35.0
Alaska Village Electric Coop	Toksook Bay	4,806	$2,187	44.2	16,567	$6,536	39.5				21,319	$8,520	40.0
Alaska Village Electric Coop	Tununak	4,025	$1,790	42.9	11,622	$4,518	38.9				17,466	$6,585	37.7
Alaska Village Electric Coop	Upper Kalsag	5,250	$2,195	41.3	16,515	$5,862	35.5				15,422	$6,084	39.5
Bethel Utilities Corporation	Bethel	6,241	$1,761	28.2	34,633	$8,082	23.3						
Chignik Lagoon Power Utility	Chignik Lagoon	2,318		37.0	6,347								
Chignik Lake Electric Utility, Inc.	Chignik Lake	4,563		47.9	5,675								
City of Akutan	Akutan	6,452	$1,935	30.0									
City of Chefornak	Chefornak	4,803	$1,658	34.5	12,000	$4,143	34.5	8,000	$2,833	35.4			
City of King Cove	King Cove	15,833	$3,208	20.3	25,000	$5,500	22.0				120,000	$24,300	20.3
City of Manokotak	Manokotak	5,020	$1,735	34.6	4,368	$1,474	33.7				14,000	$4,591	32.8
City of Saint Paul	Saint Paul	7,444	$2,742	36.8	43,120	$13,800	32.0	40,533	$13,600	33.6	21,484	$7,935	36.9
City of Unalaska	Unalaska	9,359	$2,169	23.2	78,422	$16,349	20.8	944,417	$137,250	14.5	19,708	$3,826	19.4
Egegik Light & Power Company	Egegik	3,302	$1,849	56.0	9,231	$5,051	54.7	201,000	$57,000	28.4			
Ekwok Electric	Ekwok	2,788		50.0	4,114								
False Pass Electric Association	False Pass	2,306		42.0	5,931								
G & K, Inc	Cold Bay	6,917	$3,000	43.4	43,104	$18,208	42.2	203,000	$86,000	42.4			
Igiugig Electric Company	Igiugig	3,150	$1,850	58.7	13,000	$7,000	53.8				4,250	$1,875	44.1
I-N-N Electric Coop, Inc	Iliamna/Nondalton/ Newhalen	4,571	$2,320	50.8	12,621	$5,961	47.2						
Kipnuk Light Plant	Kipnuk	4,429		27.5	30,248								
Kokhanok Village Council	Kokhanok	3,489	$1,915	54.9	4,800	$2,600	54.2	5,091	$2,727	53.6			
Koliganek Village Council	Koliganek	2,709		50.0	6,632								
Kuiggluum Kallugvia	Kwethluk	3,937	$1,791	45.5	71,800	$31,600	44.0				10,250	$19,750	192.7
Kwig Power Company	Kwigillingok	5,241	$2,471	47.1	7,313	$4,750	65.0				15,000	$2,333	15.6
Levelock Electric Cooperative	Levelock	3,063		45.0	3,186								
Lime Village Electric Company	Lime Village	1,509		80.0	6,357								
McGrath Light & Power Company	McGrath	4,978	$1,888	37.9	22,333	$7,762	34.8				50,650	$18,100	35.7
Middle Kuskokwim Electric Co-op	Chuathbaluk	2,852		65.1	2,362								
Middle Kuskokwim Electric Co-op	Crooked Creek	3,526		65.1	9,108								
Middle Kuskokwim Electric Co-op	Red Devil	3,369		65.1	2,856								
Middle Kuskokwim Electric Co-op	Sleetmute	2,798		65.1	7,168								
Middle Kuskokwim Electric Co-op	Stony River	1,404		65.1	4,273								
Naknek Electric Assn, Inc	Naknek	5,769	$1,320	22.9	32,769	$7,052	21.5				3,739,000	$578,000	15.5
Napakiak Ircinraq Power Co	Napakiak	4,073	$2,365	58.1	9,000	$6,600	73.3				6,538	$3,000	45.9
Napaskiak Electric Utility	Napaskiak	2,889		45.0	7,528								
Native Village of Perryville	Perryville	5,086	$1,514	29.8	27,286	$8,143	29.8						
Nelson Lagoon Elec Coop, Inc	Nelson Lagoon	5,095	$2,357	46.3	30,000	$12,333	41.1						
Nikolai Light & Power	Nikolai	3,486		50.0	14,263								
Nushagak Electric Coop, Inc	Nushagak	6,192	$1,325	21.4	25,592	$5,395	21.1				17,078	$3,711	21.7
Pedro Bay Village Council	Pedro Bay	3,154	$1,885	59.8	15,714	$9,429	60.0				13,200	$7,800	59.1
Pilot Point Electrical	Pilot Point	2,594		35.0	6,543								

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
South West continued													
Platinum, City of	Platinum	1,655		50.0	1,794								
Port Heiden, City of	Port Heiden	486		22.3	665								
Puvurnaq Power Company	Kongiganak	3,563		40.0	18,734								
Sand Point Electric Company	Sand Point	3,741		45.6	26,039								
St. George Municipal Electric Utility	St. George	3,815		35.0	19,913								
Takotna Community Association Utilities	Takotna	2,312		48.1	6,697								
Tanalian Electric Cooperative	Port Alsworth	2,992		33.7									
Tuluksak Traditional Power Utility	Tuluksak	2,581		40.0	10,867								
Tuntutuliak Comm Services Assn	Tuntutuliak	4,649	$2,143	46.1	11,167	$5,167	46.3	11,000	$5,000	45.5	27,625	$10,500	38.0
Twin Hills Village Council	Twin Hills	538		50.0	1,012								
Umnak Power Company	Nikolski	2,836		40.0	3,653								
Unqusrag Power Company	Newtok	3,399		44.0	6,712								
Alaska Village Electric Corp.	Regional Total	4,439	$1,940	*42.7*	23,007	$7,702	33.5				19,268	$7,165	37.2
Middle Kuskokwim Elec Co-op.	Total MKEC	3,203	$2,319	65.1	12,000	$8,179	68.2				4,588	$3,235	70.5

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
Yukon		8,243	$916	11.1	23,494	$2,814	12.0	1,458,745	$105,340	7.2	23,716	$8,070	34.0
Alaska Power & Telephone Co.	Allakaket, Alatna	2,629		47.1	7,993								
Alaska Power & Telephone Co.	Bettles, Evansville	3,606		40.4	5,455								
Alaska Power & Telephone Co.	Chistochina	2,507		39.1	14,725								
Alaska Power & Telephone Co.	Dot Lake	3,550		24.4	36,577								
Alaska Power & Telephone Co.	Eagle, Eagle Village	2,152		37.7	2,386								
Alaska Power & Telephone Co.	Healy Lake	2,834		39.5	4,543								
Alaska Power & Telephone Co.	Mentasta	2,311		40.2	14,540								
Alaska Power & Telephone Co.	Northway, Northway Village	3,404		37.6	16,064								
Alaska Power & Telephone Co.	Tetlin	2,564		41.8	11,386								
Alaska Power & Telephone Co.	Tok	3,750		24.4	7,282								
Alaska Village Electric Coop	Alakanuk	4,666	$1,914	40.0	23,182	$7,748	33.4				28,484	$9,282	32.6
Alaska Village Electric Coop	Andreafsky												
Alaska Village Electric Coop	Anvik	3,766	$1,700	43.3	7,855	$3,235	41.2				10,077	$4,154	41.2
Alaska Village Electric Coop	Chevak	3,936	$1,662	40.6	25,968	$8,530	32.8				35,860	$11,541	32.2
Alaska Village Electric Coop	Emmonak	4,760	$1,969	40.3	23,267	$7,430	31.9				25,233	$8,534	33.8
Alaska Village Electric Coop	Holy Cross	5,081	$2,222	42.8	9,254	$3,605	39.0				15,902	$6,176	38.8
Alaska Village Electric Coop	Hooper Bay	4,068	$1,772	41.9	33,054	$10,645	32.2				42,629	$13,542	31.8
Alaska Village Electric Coop	Huslia	4,758	$2,223	46.1	7,684	$3,470	45.2				13,602	$5,640	41.5
Alaska Village Electric Coop	Kaltag	4,555	$2,058	44.0	18,091	$6,798	37.6				13,258	$5,361	40.4
Alaska Village Electric Coop	Marshall	5,729	$2,336	40.2	17,272	$6,006	34.8				26,340	$8,493	32.2
Alaska Village Electric Coop	Minto	4,188	$1,885	43.5	7,569	$3,050	40.3				20,061	$7,845	39.1
Alaska Village Electric Coop	Mountain Village	5,349	$2,123	39.1	22,275	$6,896	31.0				30,582	$9,425	30.8
Alaska Village Electric Coop	Nulato	4,398	$1,928	42.6	8,052	$3,197	39.7				20,089	$7,083	35.3
Alaska Village Electric Coop	Pilot Station	5,355	$2,205	40.8	55,011	$16,303	29.6				23,568	$8,317	35.3
Alaska Village Electric Coop	Pitkas Point	325	$140	41.0							24,284	$8,281	34.1
Alaska Village Electric Coop	Russian Mission	4,407	$1,929	42.7	17,810	$6,632	37.2				19,004	$6,744	35.5
Alaska Village Electric Coop	Scammon Bay	5,863	$2,486	42.3	11,354	$4,368	38.5				18,409	$7,380	40.1
Alaska Village Electric Coop	Shageluk	3,361	$1,539	43.9	19,529	$7,174	36.7				17,266	$6,814	39.5
Alaska Village Electric Coop	St. Mary's	4,760	$1,996	41.0	13,603	$5,406	39.7				31,037	$11,047	35.6
Beaver Joint Utilities	Beaver	702		40.0	160								
Birch Creek Village Elec Util	Birch Creek	1,579	$1,053	66.7	17,750	$8,750	49.3				3,500	$2,000	57.1
	Chalkyitsik	1,587		40.0									
Circle Electric Utility	Circle	2,912		50.0	7,678								
City of Kotlik	Kotlik	4,257	$1,286	30.2	47,917	$14,333	29.9				8,545	$2,455	28.7
Galena Electric Utility	Galena	5,035	$1,395	27.7	20,919	$5,878	28.1	150,143	$40,114	26.7	30,000	$8,583	28.6
Golden Valley Elec Assn Inc	Fairbanks	8,931	$888	9.9	23,610	$2,539	10.8	1,566,767	$110,724	7.1			
Gwitchyaa Zhee Utility Company	Ft. Yukon	3,227	$1,191	36.9	17,329	$5,918	34.2				27,429	$10,143	37.0
Hughes Power & Light Co	Hughes	2,067	$1,100	53.2	9,000	$4,778	53.1				7,500	$3,500	46.7
Kobuk Valley Electric Company	Kobuk Valley	2,770		53.0	8,709								
Manley Utility Company, Inc	Manley	1,676	$1,279	76.3	7,222	$5,167	71.5						
Nunam Iqua Electric Company	Sheldon Point	3,246	$1,231	40.0	41,358	$15,328	37.1				19,112	$2,867	15.0
Paxson Inn & Lodge	Paxson	42,000	$1,000	2.4	266,000	$7,833	2.9						
Ruby, City of	Ruby	1,829		63.0	9,834								
Tanana Power Company, Inc	Tanana	3,096	$1,860	60.1	44,875	$22,313	49.7				22,000	$11,000	50.0
Venetie Village Electric	Venetie	1,447		51.0	14,656								
Alaska Power & Telephone Co.	Regional Total	3,309		*29.5*	8,639								
Alaska Village Electric Coop.	Regional Total	4,034	$1,716	*40.8*	22,196	$7,449	33.6				24,297	$8,397	34.6

Utility Name	Community	Residential			Commercial			Industrial			Other		
		USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH	USE KWH/ Customer	Revenues per Customer	Average Cents per KWH
Special Categories													
Alaska Power & Telephone Co.	Total APC	3,567		*21.6*	16,342								
South East	Regional Total	3,670		*18.8*	19,706								
Yukon	Regional Total	3,309		*29.5*	8,639								
Alaska Village Electric Coop	Total AVEC	4,414	$1,926	*42.4*	24,554	$8,294	33.8				23,063	$8,352	36.2
Arctic Northwest	Regional Total	4,945	$2,204	*43.9*	29,803	$10,106	33.9				25,093	$9,267	36.9
South Central	Regional Total	3,736	$1,870	*48.4*	8,900	$4,219	47.4				14,416	$7,433	51.6
Southwest	Regional Total	4,439	$1,940	*42.7*	23,007	$7,702	33.5				19,268	$7,165	37.2
Yukon	Regional Total	4,034	$1,716	*40.8*	22,196	$7,449	33.6				24,297	$8,397	34.6
Railbelt		8,145	$887	10.9	68,883	$5,916	8.6	1,725,520	$115,827	6.7	48,885	$7,510	15.4
Chugach Electric Assn, Inc	Anchorage	8,286	$924	11.1	69,938	$6,317	9.0	4,706,667	$367,167	7.8	73,338	$20,308	27.7
City of Anchorage	Anchorage	6,253	$594	9.5	121,102	$8,969	7.4				38,588	$4,985	12.9
City of Seward	Seward	8,334	$1,117	13.4	19,377	$2,925	15.1	419,308	$37,519	8.9	82,469	$10,283	12.5
Homer Electric Assn, Inc	Homer	7,357	$849	11.5	50,696	$4,790	9.4	6,238,885	$297,654	4.8	14,080	$1,736	12.3
Matanuska Electric Assn Inc	Mat-Su	8,868	$1,019	11.5	66,105	$6,206	9.4				24,536	$5,464	22.3
Golden Valley Elec Assn Inc	Fairbanks	8,931	$888	9.9	23,610	$2,539	10.8	1,566,767	$110,724	7.1			

Rates in italics are weighted averages; commercial, industrial and other rates are calculated rates.

Table 2.4c 2001 PRO FORMA MONTHLY RESIDENTIAL ELECTRICITY BILLS

Utility Name	Community	$/KWh	250 KWH $ PER MONTH	500 KWH $ PER MONTH	750 KWH $ PER MONTH	1000KWH $ PER MONTH
State Total		$0.12	$29.3	$58.7	$88.0	$117.3
Arctic Northwest		$0.22	$55.5	$111.0	$166.5	$222.1
South Central		$0.11	$28.6	$57.3	$85.9	$114.5
South East		$0.09	$23.2	$46.4	$69.6	$92.9
South West		$0.28	$70.4	$140.9	$211.3	$281.7
Yukon		$0.11	$27.8	$55.6	$83.3	$111.1
Arctic Northwest		$0.22	$55.5	$111.0	$166.5	$222.1
Alaska Village Electric Coop	Ambler	$0.47	$118.3	$236.5	$354.8	$473.0
Alaska Village Electric Coop	Brevig Mission	$0.43	$107.3	$214.6	$321.8	$429.1
Alaska Village Electric Coop	Gambell	$0.45	$111.7	$223.5	$335.2	$446.9
Alaska Village Electric Coop	Kiana	$0.47	$117.1	$234.1	$351.2	$468.2
Alaska Village Electric Coop	Kivalina	$0.44	$108.8	$217.5	$326.3	$435.0
Alaska Village Electric Coop	Koyuk	$0.41	$101.5	$203.0	$304.4	$405.9
Alaska Village Electric Coop	Noatak	$0.40	$99.9	$199.7	$299.6	$399.4
Alaska Village Electric Coop	Noorvik	$0.46	$114.0	$228.0	$342.0	$456.0
Alaska Village Electric Coop	Savoonga	$0.44	$110.7	$221.4	$332.0	$442.7
Alaska Village Electric Coop	Selawik	$0.46	$113.8	$227.5	$341.3	$455.0
Alaska Village Electric Coop	Shaktoolik	$0.41	$101.4	$202.8	$304.1	$405.5
Alaska Village Electric Coop	Shishmaref	$0.44	$110.0	$220.0	$330.0	$440.0
Alaska Village Electric Coop	Shungnak	$0.48	$119.4	$238.7	$358.1	$477.4
Alaska Village Electric Coop	St. Michael	$0.40	$101.1	$202.2	$303.3	$404.4
Alaska Village Electric Coop	Stebbins	$0.41	$103.3	$206.6	$309.9	$413.2
Alaska Village Electric Coop	Wales	$0.44	$110.5	$221.0	$331.4	$441.9
Arctic Utilities, Inc (now TDX)	Deadhorse					
Barrow Utils & Electric Coop, Inc	Barrow	$0.09	$22.3	$44.6	$66.8	$89.1
North Slope Borough	Anaktuvuk Pass	$0.15	$37.5	$75.0	$112.5	$150.0
North Slope Borough	Atqasuk	$0.15	$37.5	$75.0	$112.5	$150.0
North Slope Borough	Nuiqsut	$0.15	$37.5	$75.0	$112.5	$150.0
North Slope Borough	Kaktovik	$0.13	$32.8	$65.5	$98.3	$131.0
North Slope Borough	Point Hope	$0.13	$32.8	$65.5	$98.3	$131.0
North Slope Borough	Point Lay	$0.15	$37.5	$75.0	$112.5	$150.0
North Slope Borough	Wainwright	$0.13	$32.8	$65.5	$98.3	$131.0
Buckland, City of	Buckland	$0.37	$92.5	$185.0	$277.5	$370.0
Central Electric, Inc	Central	$0.48	$120.1	$240.2	$360.4	$480.5
City of White Mountain	White Mountain	$0.43	$107.4	$214.9	$322.3	$429.7
Diomede Joint Utilities	Diomede	$0.43	$107.5	$215.0	$322.5	$430.0
Golovin Power Utilities	Golovin	$0.38	$95.0	$190.0	$285.0	$380.0
Ipnatchiaq Electric Company	Deering	$0.39	$96.8	$193.6	$290.4	$387.3
Kotzebue Electric Assn, Inc	Kotzebue	$0.24	$59.3	$118.5	$177.8	$237.1
Nome Joint Utility Systems	Nome	$0.19	$48.5	$97.0	$145.5	$193.9
Teller Power Company, Inc	Teller	$0.54	$133.8	$267.5	$401.3	$535.1
Unalakleet Valley Elec Coop	Unalakleet	$0.28	$68.9	$137.9	$206.8	$275.7
Alaska Village Electric Coop	Regional Total	$0.44	$109.6	$219.3	$328.9	$438.6
North Slope Borough	Total NSB	$0.14	$35.5	$71.0	$106.6	$142.1

Utility Name	Community	$/KWh	$ PER MONTH	$ PER MONTH	$ PER MONTH	$ PER MONTH
South Central		$0.11	$28.6	$57.3	$85.9	$114.5
Akhiok, City of	Akhiok	$0.37	$92.5	$185.0	$277.5	$370.0
Alutiiq Power Company	Karluk	$0.60	$150.0	$300.0	$450.0	$600.0
Alaska Village Electric Coop	Old Harbor	$0.48	$120.9	$241.8	$362.6	$483.5
Chenega Bay IRA Village Council	Chenega Bay	$0.30	$73.8	$147.5	$221.3	$295.0
Chitina Electric, Inc	Chitina	$0.35	$88.1	$176.2	$264.3	$352.5
Chugach Electric Assn, Inc	Anchorage	$0.11	$27.9	$55.7	$83.6	$111.5
City of Anchorage	Anchorage	$0.10	$23.8	$47.5	$71.3	$95.0
City of Chignik	Chignik	$0.30	$75.0	$150.0	$225.0	$300.0
City of Larsen Bay	Larsen Bay	$0.40	$99.3	$198.7	$298.0	$397.4
City of Ouzinkie	Ouzinkie	$0.32	$80.1	$160.2	$240.3	$320.4
City of Seward	Seward	$0.13	$33.5	$67.0	$100.6	$134.1
Copper Valley Elec Assn, Inc	Valdez/Cordova/Copper	$0.18	$44.0	$88.1	$132.1	$176.1
Cordova Electric Coop, Inc	Cordova	$0.26	$65.6	$131.2	$196.7	$262.3
Homer Electric Assn, Inc	Homer	$0.12	$28.9	$57.7	$86.6	$115.5
Kodiak Electric Assn, Inc	Kodiak	$0.17	$41.8	$83.6	$125.5	$167.3
Matanuska Electric Assn Inc	Mat-Su	$0.11	$28.7	$57.4	$86.2	$114.9
Tatitlek Electric Utility	Tatitlek	$0.39	$96.9	$193.8	$290.7	$387.6
South East		$0.09	$23.2	$46.4	$69.6	$92.9
Alaska Electric Light & Power Co	Juneau	$0.10	$23.9	$47.7	$71.6	$95.4
Alaska Power & Telephone Co.	Coffman Cove	$0.32	$80.3	$160.7	$241.0	$321.3
Alaska Power & Telephone Co.	Craig, Klawock	$0.18	$45.4	$90.7	$136.1	$181.4
Alaska Power & Telephone Co.	Haines	$0.18	$44.4	$88.8	$133.1	$177.5
Alaska Power & Telephone Co.	Hollis	$0.18	$46.2	$92.5	$138.7	$184.9
Alaska Power & Telephone Co.	Hydaburg	$0.18	$46.2	$92.5	$138.7	$184.9
Alaska Power & Telephone Co.	Naukati	$0.31	$77.1	$154.3	$231.4	$308.5
Alaska Power & Telephone Co.	Skagway	$0.18	$44.4	$88.8	$133.1	$177.5
Alaska Power & Telephone Co.	Whale Pass	$0.34	$85.2	$170.3	$255.5	$340.6
City & Borough of Sitka	Sitka	$0.09	$22.5	$45.0	$67.5	$90.0
City of Elfin Cove	Elfin Cove	$0.26	$64.6	$129.1	$193.7	$258.2
City of Ketchikan	Ketchikan	$0.09	$23.4	$46.8	$70.2	$93.6
City of Petersburg	Petersburg	$0.10	$24.2	$48.3	$72.5	$96.6
City of Tenakee Springs	Tenakee Springs	$0.32	$80.0	$159.9	$239.9	$319.8
City of Thorne Bay	Thorne Bay	$0.23	$56.5	$112.9	$169.4	$225.9
City of Wrangell	Wrangell	$0.11	$27.9	$55.8	$83.7	$111.5
Gustavus Electric, Inc	Gustavus	$0.59	$148.1	$296.2	$444.3	$592.4
Metlakatla Power & Light	Metlakatla	$0.09	$23.1	$46.2	$69.4	$92.5
Pelican Utility, Inc	Pelican	$0.15	$38.4	$76.8	$115.3	$153.7
Tlingit Haida Regional Electric Authority	Angoon	$0.35	$86.5	$172.9	$259.4	$345.8
Tlingit Haida Regional Electric Authority	Chilkat Valley	$0.35	$86.5	$172.9	$259.4	$345.8
Tlingit Haida Regional Electric Authority	Hoonah	$0.35	$86.5	$172.9	$259.4	$345.8
Tlingit Haida Regional Electric Authority	Kake	$0.35	$86.5	$172.9	$259.4	$345.8
Tlingit Haida Regional Electric Authority	Kasaan	$0.35	$86.5	$172.9	$259.4	$345.8
Tlingit Haida Regional Electric Authority	Klukwan	$0.35	$86.5	$172.9	$259.4	$345.8
Yakutat Power, Inc	Yakutat	$0.25	$62.5	$125.0	$187.5	$250.0
Alaska Power & Telephone Co.	Regional Total	$0.19	$46.9	$93.9	$140.8	$187.7
Tlingit & Haida Region Electric Authority	Total THREA	$0.35	$86.5	$173.0	$259.5	$346.0

Utility Name	Community	$/KWh	$ PER MONTH	$ PER MONTH	$ PER MONTH	$ PER MONTH
South West		$0.28	$70.4	$140.9	$211.3	$281.7
Akiachak Native Community Elec	Akiachak	$0.36	$90.5	$181.0	$271.4	$361.9
Akiak, City of	Akiak	$0.39	$97.5	$195.0	$292.5	$390.0
Andreanof Electric Corporation	Atka	$0.46	$115.2	$230.5	$345.7	$460.9
Aniak Light & Power Co, Inc	Aniak	$0.48	$119.4	$238.8	$358.2	$477.6
Atmautluak Tribal Utilities	Atmautluak	$0.47	$116.7	$233.5	$350.2	$466.9
	Eek	$0.43	$107.9	$215.8	$323.6	$431.5
Alaska Village Electric Coop	Elim	$0.42	$104.6	$209.3	$313.9	$418.5
Alaska Village Electric Coop	Goodnews Bay	$0.45	$113.4	$226.8	$340.2	$453.6
Alaska Village Electric Coop	Grayling	$0.42	$106.2	$212.3	$318.5	$424.6
Alaska Village Electric Coop	Lower Kalskag	$0.41	$103.2	$206.3	$309.5	$412.6
Alaska Village Electric Coop	Mekoryuk	$0.41	$102.8	$205.7	$308.5	$411.3
Alaska Village Electric Coop	Nightmute	$0.48	$121.1	$242.2	$363.2	$484.3
Alaska Village Electric Coop	Nunapitchuk	$0.40	$100.5	$201.1	$301.6	$402.1
Alaska Village Electric Coop	Quinhagak	$0.44	$109.1	$218.2	$327.3	$436.4
Alaska Village Electric Coop	Togiak	$0.42	$104.5	$209.0	$313.5	$418.0
Alaska Village Electric Coop	Toksook Bay	$0.44	$110.5	$221.0	$331.4	$441.9
Alaska Village Electric Coop	Tununak	$0.43	$107.3	$214.5	$321.8	$429.0
Alaska Village Electric Coop	Upper Kalsag	$0.41	$103.2	$206.3	$309.5	$412.6
Bethel Utilities Corporation	Bethel	$0.28	$70.5	$141.1	$211.6	$282.1
Chignik Lagoon Power Utility	Chignik Lagoon	$0.37	$92.5	$185.0	$277.5	$370.0
Chignik Lake Electric Utility, Inc.	Chignik Lake	$0.48	$119.7	$239.4	$359.1	$478.8
City of Akutan	Akutan	$0.30	$75.0	$150.0	$225.0	$300.0
City of Chefornak	Chefornak	$0.35	$86.3	$172.6	$258.9	$345.2
City of King Cove	King Cove	$0.20	$50.7	$101.3	$152.0	$202.6
City of Manokotak	Manokotak	$0.35	$86.4	$172.8	$259.1	$345.5
City of Saint Paul	Saint Paul	$0.37	$92.1	$184.2	$276.2	$368.3
City of Unalaska	Unalaska	$0.23	$57.9	$115.9	$173.8	$231.8
Egegik Light & Power Company	Egegik	$0.56	$140.0	$280.0	$420.0	$560.0
Ekwok Electric	Ekwok	$0.50	$125.0	$250.0	$375.0	$500.0
False Pass Electric Association	False Pass	$0.42	$105.0	$210.0	$315.0	$420.0
G & K, Inc	Cold Bay	$0.43	$108.4	$216.9	$325.3	$433.7
Igiugig Electric Company	Igiugig	$0.59	$146.8	$293.7	$440.5	$587.3
I-N-N Electric Coop, Inc	Iliamna/Nondalton/Newhalen	$0.51	$126.9	$253.8	$380.6	$507.5
Kipnuk Light Plant	Kipnuk	$0.28	$68.8	$137.6	$206.3	$275.1
Kokhanok Village Council	Kokhanok	$0.55	$137.2	$274.4	$411.6	$548.8
Koliganek Village Council	Koliganek	$0.50	$125.0	$250.0	$375.0	$500.0
Kuiggluum Kallugvia	Kwethluk	$0.45	$113.7	$227.5	$341.2	$455.0
Kwig Power Company	Kwigillingok	$0.47	$117.9	$235.7	$353.6	$471.5
Levelock Electric Cooperative	Levelock	$0.45	$112.5	$225.0	$337.5	$450.0
Lime Village Electric Company	Lime Village	$0.80	$200.1	$400.2	$600.2	$800.3
McGrath Light & Power Company	McGrath	$0.38	$94.8	$189.6	$284.4	$379.2
Middle Kuskokwim Electric Co-op	Chuathbaluk	$0.65	$162.7	$325.3	$488.0	$650.6
Middle Kuskokwim Electric Co-op	Crooked Creek	$0.65	$162.7	$325.3	$488.0	$650.6
Middle Kuskokwim Electric Co-op	Red Devil	$0.65	$162.7	$325.3	$488.0	$650.6
Middle Kuskokwim Electric Co-op	Sleetmute	$0.65	$162.7	$325.3	$488.0	$650.6
Middle Kuskokwim Electric Co-op	Stony River	$0.65	$162.7	$325.3	$488.0	$650.6
Naknek Electric Assn, Inc	Naknek	$0.23	$57.2	$114.4	$171.5	$228.7
Napakiak Ircinraq Power Co	Napakiak	$0.58	$145.1	$290.3	$435.4	$580.6
Napaskiak Electric Utility	Napaskiak	$0.45	$112.5	$225.0	$337.5	$450.0
Native Village of Perryville	Perryville	$0.30	$74.4	$148.9	$223.3	$297.8
Nelson Lagoon Elec Coop, Inc	Nelson Lagoon	$0.46	$115.7	$231.3	$347.0	$462.6

Utility Name	Community	$/KWh	$ PER MONTH	$ PER MONTH	$ PER MONTH	$ PER MONTH
South West continued						
Nikolai Light & Power	Nikolai	$0.50	$125.0	$250.0	$375.0	$500.0
Nushagak Electric Coop, Inc	Nushagak	$0.21	$53.5	$107.0	$160.5	$214.1
Pedro Bay Village Council	Pedro Bay	$0.60	$149.4	$298.8	$448.2	$597.6
Pilot Point Electrical	Pilot Point	$0.35	$87.5	$175.0	$262.5	$350.0
Platinum, City of	Platinum	$0.50	$125.0	$250.0	$375.0	$500.0
Port Heiden, City of	Port Heiden	$0.22	$55.7	$111.4	$167.1	$222.8
Puvurnaq Power Company	Kongiganak	$0.40	$100.0	$200.0	$300.0	$400.0
Sand Point Electric Company	Sand Point	$0.46	$114.1	$228.2	$342.2	$456.3
St. George Municipal Electric Utility	St. George	$0.35	$87.5	$175.0	$262.5	$350.0
Takotna Community Association Utilities	Takotna	$0.48	$120.3	$240.5	$360.8	$481.0
Tanalian Electric Cooperative	Port Alsworth	$0.34	$84.2	$168.3	$252.5	$336.6
Tuluksak Traditional Power Utility	Tuluksak	$0.40	$100.0	$200.0	$300.0	$400.0
Tuntutuliak Comm Services Assn	Tuntutuliak	$0.46	$115.2	$230.4	$345.7	$460.9
Twin Hills Village Council	Twin Hills	$0.50	$125.0	$250.0	$375.0	$500.0
Umnak Power Company	Nikolski	$0.40	$100.0	$200.0	$300.0	$400.0
Unqusrag Power Company	Newtok	$0.44	$110.0	$220.0	$330.0	$440.0
Alaska Village Electric Corp.	Regional Total	$0.43	$106.6	$213.3	$319.9	$426.6
Middle Kuskokwim Elec Co-op.	Total MKEC	$0.65	$162.8	$325.5	$488.3	$651.0

Utility Name	Community	$/KWh	$ PER MONTH	$ PER MONTH	$ PER MONTH	$ PER MONTH
Yukon						
Alaska Power & Telephone Co.	Allakaket, Alatna	$0.47	$117.6	$235.3	$352.9	$470.5
Alaska Power & Telephone Co.	Bettles, Evansville	$0.40	$100.9	$201.9	$302.8	$403.7
Alaska Power & Telephone Co.	Chistochina	$0.39	$97.7	$195.3	$293.0	$390.6
Alaska Power & Telephone Co.	Dot Lake	$0.24	$61.1	$122.1	$183.2	$244.2
Alaska Power & Telephone Co.	Eagle, Eagle Village	$0.38	$94.2	$188.4	$282.6	$376.8
Alaska Power & Telephone Co.	Healy Lake	$0.40	$98.8	$197.6	$296.4	$395.2
Alaska Power & Telephone Co.	Mentasta	$0.40	$100.4	$200.9	$301.3	$401.7
Alaska Power & Telephone Co.	Northway, Northway Village	$0.38	$93.9	$187.8	$281.7	$375.6
Alaska Power & Telephone Co.	Tetlin	$0.42	$104.4	$208.8	$313.2	$417.6
Alaska Power & Telephone Co.	Tok	$0.24	$61.1	$122.1	$183.2	$244.2
Alaska Village Electric Coop	Alakanuk	$0.40	$99.9	$199.8	$299.6	$399.5
Alaska Village Electric Coop	Anvik	$0.43	$108.2	$216.4	$324.6	$432.8
Alaska Village Electric Coop	Chevak	$0.41	$101.6	$203.2	$304.8	$406.4
Alaska Village Electric Coop	Emmonak	$0.40	$100.8	$201.7	$302.5	$403.3
Alaska Village Electric Coop	Holy Cross	$0.43	$107.1	$214.2	$321.2	$428.3
Alaska Village Electric Coop	Hooper Bay	$0.42	$104.7	$209.4	$314.0	$418.7
Alaska Village Electric Coop	Huslia	$0.46	$115.2	$230.5	$345.7	$460.9
Alaska Village Electric Coop	Kaltag	$0.44	$109.9	$219.8	$329.6	$439.5
Alaska Village Electric Coop	Marshall	$0.40	$100.4	$200.8	$301.2	$401.6
Alaska Village Electric Coop	Minto	$0.43	$108.6	$217.3	$325.9	$434.5
Alaska Village Electric Coop	Mountain Village	$0.39	$97.7	$195.3	$293.0	$390.6
Alaska Village Electric Coop	Nulato	$0.43	$106.5	$212.9	$319.4	$425.8
Alaska Village Electric Coop	Pilot Station	$0.41	$102.0	$204.0	$306.0	$408.0
Alaska Village Electric Coop	Pitkas Point	$0.41	$102.6	$205.1	$307.7	$410.2
Alaska Village Electric Coop	Russian Mission	$0.43	$106.9	$213.7	$320.6	$427.4
Alaska Village Electric Coop	Scammon Bay	$0.42	$105.7	$211.5	$317.2	$422.9
Alaska Village Electric Coop	Shageluk	$0.44	$109.7	$219.5	$329.2	$438.9
Alaska Village Electric Coop	St. Mary's	$0.41	$102.6	$205.1	$307.7	$410.2
Beaver Joint Utilities	Beaver	$0.40	$100.0	$200.0	$300.0	$400.0
Birch Creek Village Elec Util	Birch Creek	$0.67	$166.7	$333.3	$500.0	$666.7
	Chalkyitsik	$0.40	$100.0	$200.0	$300.0	$400.0
Circle Electric Utility	Circle	$0.50	$125.0	$250.0	$375.0	$500.0
City of Kotlik	Kotlik	$0.30	$75.5	$151.0	$226.5	$302.0
Galena Electric Utility	Galena	$0.28	$69.3	$138.5	$207.8	$277.1
Golden Valley Elec Assn Inc	Fairbanks	$0.10	$24.8	$49.7	$74.5	$99.4
Gwitchyaa Zhee Utility Company	Ft. Yukon	$0.37	$92.3	$184.6	$276.9	$369.1
Hughes Power & Light Co	Hughes	$0.53	$133.1	$266.1	$399.2	$532.3
Kobuk Valley Electric Company	Kobuk Valley	$0.53	$132.5	$265.0	$397.5	$530.0
Manley Utility Company, Inc	Manley	$0.76	$190.8	$381.6	$572.4	$763.2
Nunam Iqua Electric Company	Sheldon Point	$0.40	$100.0	$200.0	$300.0	$400.0
Paxson Inn & Lodge	Paxson	$0.02	$6.0	$11.9	$17.9	$23.8
Ruby, City of	Ruby	$0.63	$157.5	$315.0	$472.5	$630.0
Tanana Power Company, Inc	Tanana	$0.60	$150.2	$300.4	$450.6	$600.8
Venetie Village Electric	Venetie	$0.51	$127.5	$255.0	$382.5	$510.0
Alaska Power & Telephone Co.	Regional Total	$0.30	$73.8	$147.7	$221.5	$295.4
Alaska Village Electric Coop.	Regional Total	$0.41	$101.9	$203.8	$305.6	$407.5

Utility Name	Community	$/KWh	$ PER MONTH	$ PER MONTH	$ PER MONTH	$ PER MONTH
Special Categories						
Alaska Power & Telephone Co.	Total APC	$0.22	$54.0	$108.1	$162.1	$216.1
South East	Regional Total	$0.19	$46.9	$93.9	$140.8	$187.7
Yukon	Regional Total	$0.30	$73.8	$147.7	$221.5	$295.4
Alaska Village Electric Coop	Total AVEC	$0.42	$106.1	$212.1	$318.2	$424.3
Arctic Northwest	Regional Total	$0.44	$109.6	$219.3	$328.9	$438.6
South Central	Regional Total	$0.48	$120.9	$241.8	$362.6	$483.5
Southwest	Regional Total	$0.43	$106.6	$213.3	$319.9	$426.6
Yukon	Regional Total	$0.41	$101.9	$203.8	$305.6	$407.5
Railbelt		$0.11	$27.2	$54.4	$81.7	$108.9
Chugach Electric Assn, Inc	Anchorage	$0.11	$27.9	$55.7	$83.6	$111.5
City of Anchorage	Anchorage	$0.10	$23.8	$47.5	$71.3	$95.0
City of Seward	Seward	$0.13	$33.5	$67.0	$100.6	$134.1
Homer Electric Assn, Inc	Homer	$0.12	$28.9	$57.7	$86.6	$115.5
Matanuska Electric Assn Inc	Mat-Su	$0.11	$28.7	$57.4	$86.2	$114.9
Golden Valley Elec Assn Inc	Fairbanks	$0.10	$24.8	$49.7	$74.5	$99.4

(Note: Revenues reported in thousand dollars (US$), Sales reported in MWH and Consumers as accounts)

Table 3.1
Alaska Industry Energy Production
2000 Installed Capacity by Prime Mover (KW)

Facility		Gas Turbine	Internal Combustion	Steam Turbine	Total
State Total:		479,313	155,720	40,000	675,033
Arctic Northwest	**Totals:**	439,358	30,000		469,358
Petroleum Production and Transportation		439,358			439,358
Mining			30,000		30,000
South Central	**Totals:**	34,755	62,435		97,190
Petroleum Production and Transportation		12,755	52,380		65,135
Petroleum Processing		22,000	10,055		32,055
South East	**Totals:**	5,200	13,825		19,025
Mining		5,200	13,825		19,025
South West	**Totals:**		35,460		35,460
Seafood			35,460		35,460
Yukon	**Totals:**		14,000	40,000	54,000
Mining			4,400		4,400
Miscellaneous			9,600	40,000	49,600

Table 3.2
Alaska Industry Energy Production
2000 Net Generation by Prime Mover (KWh)

Facility		Total Net Generation	Gas Turbine	Internal Combustion	Steam Turbine
State Totals:		2,595,577,335	2,016,873,072	370,225,263	208,479,000
Arctic Northwest	**Totals:**	2,017,343,500	1,805,461,000	211,882,500	
Petroleum Production and Transportation		1,805,461,000	1,805,461,000	0	
Mining		211,882,500		211,882,500	
South Central	**Totals:**	270,044,830	197,585,856	72,458,974	
Petroleum Production and Transportation		105,379,308	81,523,500	23,855,808	
Petroleum Processing		164,665,522	116,062,356	48,603,166	
South East	**Totals:**	18,025,000	5,000,000	13,025,000	
Mining		18,025,000	5,000,000	13,025,000	
South West	**Totals:**	72,588,112	8,826,216	63,761,896	
Seafood		72,588,112	8,826,216	63,761,896	
Yukon	**Totals:**	217,575,893		9,096,893	208,479,000
Mining		2,816,893		2,816,893	
Miscellaneous		214,759,000		6,280,000	208,479,000

Table 4.1 Alaska Military Energy Production
2000 Nameplate Capacity by Prime Mover (KW)

Alaska Military Facilities	Gas Turbine	Internal Combustion	Steam Turbine	Total
Military Totals:		14,000	95,400	109,400
South Central			47,900	47,900
Yukon		14,000	47,500	61,500

Table 4.2 Alaska Military Energy Production
Net Generation by Primemover (KWH)
2000 Data by Community

Alaska Military Facilities	Community	Net Generation	Gas Turbine	Internal Combustion	Steam Turbine
Military Totals:		360,383,083	0	3,185,893	357,197,190
South Central		188,864,000	0	0	188,864,000
Yukon		174,519,083	0	3,185,893	171,333,190

Table 5.1 ALASKA UTILITY INSTALLED CAPACITY (KW) BY PRIME MOVER (1962-2001)

		Hydro		Steam		Diesel I.C.		Combustion Turbine	
Year	Utility Total	Net Capacity	% of Utility Total	Net Capacity	% of Utility Total	Net Capacity	% of Utility Total	Net Capacity	% of Utility Total
1962	169,968	82,300	48%	32,875	19%	41,993	25%	12,800	8%
1963	202,243	82,300	41%	32,875	16%	47,368	23%	39,700	20%
1964	218,582	82,300	38%	32,750	15%	49,482	23%	54,050	25%
1965	242,812	82,225	34%	32,750	13%	59,437	24%	68,400	28%
1966	254,148	82,225	32%	32,750	13%	69,273	27%	69,900	28%
1967	260,273	76,600	29%	32,750	13%	81,023	31%	69,900	27%
1968	339,688	78,700	23%	54,750	16%	89,538	26%	116,700	34%
1969	347,013	76,600	22%	54,750	16%	98,963	29%	116,700	34%
1970	406,596	76,600	19%	74,750	18%	123,256	30%	131,990	32%
1971	472,955	75,275	16%	68,250	14%	140,627	30%	188,803	40%
1972	533,639	74,275	14%	68,250	13%	144,975	27%	246,139	46%
1973	650,050	121,000	19%	68,250	10%	147,700	23%	313,100	48%
1974	723,638	122,260	17%	68,000	9%	148,054	20%	385,324	53%
1975	763,498	122,535	16%	68,000	9%	176,706	23%	396,257	52%
1976	971,799	123,235	13%	68,000	7%	205,110	21%	575,454	59%
1977	1,038,270	122,460	12%	68,000	7%	223,736	22%	624,074	60%
1978	1,132,590	122,460	11%	68,000	6%	221,516	20%	720,614	64%
1979	1,257,835	123,310	10%	101,000	8%	233,611	19%	799,914	64%
1980	1,285,237	123,360	10%	101,000	8%	237,703	18%	823,174	64%
1981	1,383,809	123,690	9%	158,000	11%	251,745	18%	850,374	61%
1982	1,418,344	154,280	11%	158,000	11%	255,790	18%	850,274	60%
1983	1,452,037	153,780	11%	158,000	11%	269,683	19%	870,574	60%
1984	1,605,485	222,990	14%	158,030	10%	276,841	17%	947,624	59%
1985	1,601,714	224,000	14%	144,500	9%	299,614	19%	933,600	58%
1986	1,669,200	225,600	14%	154,000	9%	317,500	19%	972,100	58%
1987	1,655,373	227,625	14%	145,600	9%	316,148	19%	966,000	58%
1988	1,603,684	228,360	14%	141,800	9%	325,924	20%	907,600	57%
1989	1,610,966	260,965	16%	141,800	9%	311,301	19%	896,900	56%
1990	1,604,767	255,907	16%	139,200	9%	312,760	19%	896,900	56%
1991	1,733,158	365,607	21%	139,200	8%	324,851	19%	903,500	52%
1992	1,739,890	365,632	21%	139,200	8%	328,758	19%	906,300	52%
1993	1,741,487	364,357	21%	139,200	8%	336,430	19%	901,500	52%
1994	1,771,065	365,482	21%	139,200	8%	345,383	20%	921,000	52%
1995	1,777,575	369,982	21%	139,200	8%	347,393	20%	921,000	52%
1996	2,078,865	364,461	18%	68,500	3%	418,449	20%	1,227,425	59%
1997	1,960,366	377,094	19%	53,500	3%	335,392	17%	1,194,350	61%
1998	2,124,813	373,685	18%	68,500	3%	458,173	22%	1,224,425	58%
1999	2,156,743	388,085	18%	68,500	3%	472,903	22%	1,227,225	57%
2000	2,194,477	400,085	18%	68,500	3%	493,437	22%	1,232,425	56%
2001	2,258,905	443,442	20%	68,500	3%	475,736	21%	1,270,650	56%

*From 1996 onward: Cumbustion Turbine (CT) includes Gas Turbine (GT) and Combined Cycle Turbines (CA)

**Wind Turbines (WT) included in net capacity value

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.

Data before 1996 from prior Alaska Electric Power Statistics reports.

Table 5.2 ALASKA UTILITY INSTALLED CAPACITY (KW) BY REGION

Year		Utility Total	Arctic	% of Utility Total	South Central	% of Utility Total	South East	% of Utility Total	South West	% of Utility Total	Yukon	% of Utility Total
1962												
1963												
1964												
1965												
1966												
1967												
1968												
1969												
1970												
1971												
1972												
1973		650,100	11,600	2%	369,800	57%	126,300	19%	11,600	2%	130,800	20%
1974		724,200	12,100	2%	438,700	61%	129,600	18%	12,300	2%	131,500	18%
1975		763,500	14,700	2%	451,500	59%	136,900	18%	20,400	3%	140,000	18%
1976		971,700	18,200	2%	556,900	57%	139,700	14%	23,400	2%	233,500	24%
1977												
1978												
1979												
1980		1,283,054	27,576	2%	750,087	58%	176,732	14%	28,887	2%	299,772	23%
1981		1,373,734	34,769	3%	836,094	61%	175,502	13%	29,867	2%	297,502	22%
1982		1,412,504	38,374	3%	848,355	60%	192,802	14%	32,196	2%	300,777	21%
1983		1,447,752	41,104	3%	848,255	59%	215,747	15%	38,494	3%	304,152	21%
1984		1,605,485	43,789	3%	947,908	59%	272,392	17%	39,884	2%	301,512	19%
1985		1,601,714	48,696	3%	926,507	58%	279,995	17%	41,215	3%	305,301	19%
1986		1,683,641	47,975	3%	1,009,062	60%	289,487	17%	42,253	3%	294,864	18%
1987		1,655,373	51,337	3%	983,122	59%	288,238	17%	45,447	3%	287,229	17%
1988		1,603,984	52,784	3%	939,109	59%	291,911	18%	48,910	3%	271,270	17%
1989		1,610,966	51,967	3%	939,494	58%	317,846	20%	52,283	3%	249,376	15%
1990		1,604,767	58,285	4%	939,487	59%	309,318	19%	53,327	3%	244,350	15%
1991		1,733,158	64,115	4%	1,054,479	61%	314,006	18%	55,092	3%	245,466	14%
1992		1,739,890	67,227	4%	1,054,499	61%	314,011	18%	57,832	3%	246,321	14%
1993		1,734,468	62,323	4%	1,046,065	60%	316,936	18%	62,323	4%	246,821	14%
1994		1,771,065	70,107	4%	1,047,945	59%	341,471	19%	62,912	4%	248,630	14%
1995		1,777,575	72,336	4%	1,047,575	59%	344,093	19%	64,132	4%	249,439	14%
1996		2,078,865	82,394	4%	1,274,326	61%	351,316	17%	60,279	3%	310,550	15%
1997		1,960,366	64,829	3%	1,219,884	62%	343,139	18%	47,986	2%	284,528	15%
1998		2,124,813	86,440	4%	1,276,954	60%	380,294	18%	64,772	3%	316,353	15%
1999		2,156,743	96,177	4%	1,292,639	60%	381,064	18%	66,451	3%	320,412	15%
2000		2,194,477	98,247	4%	1,322,809	60%	385,189	18%	66,680	3%	321,552	15%
2001		2,258,905	106,952	5%	1,351,937	60%	415,746	18%	69,141	3%	315,129	14%

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.
Data before 1996 from prior Alaska Electric Power Statistics reports.

Table 5.3 Utility Net Generation (GWh)
By Fuel Type

Year		Utility Total	Oil	% Of Utility Total	Gas	% Of Utility Total	Coal	% Of Utility Total	Hydro	% Of Utility Total	Waste Heat	% Of Utility Total
1962												
1963									325			
1964									321			
1965									350			
1966									316			
1967									363			
1968									363			
1969									340			
1970									362			
1971		1,071	195	18%	614	57%	262	24%				
1972		1,207	193	16%	748	62%	266	22%				
1973		1,406	189	13%	950	68%	267	19%				
1974		1,868	203	11%	1,047	56%	299	16%	319	17%		
1975		2,262	277	12%	1,311	58%	323	14%	351	16%		
1976		2,502	351	14%	1,468	59%	314	13%	369	15%		
1977		2,710	378	14%	1,537	57%	297	11%	498	18%		
1978		2,864	388	14%	1,690	59%	323	11%	463	16%		
1979		2,968	383	13%	1,827	62%	308	10%	450	15%		
1980		3,034	368	12%	1,844	61%	290	10%	532	18%		
1981		3,154	338	11%	1,897	60%	338	11%	581	18%		
1982		3,607	466	13%	2,211	61%	354	10%	576	16%		
1983		3,781	526	14%	2,338	62%	331	9%	586	15%		
1984		4,057	541	13%	2,512	62%	308	8%	696	17%		
1985	***	4,234	538	13%	2,631	62%	290	7%	775	18%		
1986		4,411	535	12%	2,749	62%	272	6%	854	19%		
1987		4,424	459	10%	2,790	63%	276	6%	898	20%		
1988		4,502	451	10%	2,767	61%	295	7%	989	22%		
1989		4,604	486	11%	2,875	62%	307	7%	935	20%		
1990		4,675	449	10%	2,886	62%	316	7%	1,024	22%		
1991		4,621	547	12%	2,666	58%	323	7%	1,085	23%		
1992		4,737	530	11%	2,569	54%	302	6%	1,337	28%		
1993		4,733	575	12%	2,476	52%	322	7%	1,359	29%		
1994		4,924	593	12%	2,654	54%	294	6%	1,384	28%		
1995		5,019	591	12%	2,660	53%	309	6%	1,459	29%		
1996		4,982	643	13%	2,354	47%	229	5%	1,266	25%	490	10%
1997		5,108	741	15%	2,478	49%	237	5%	1,099	22%	553	11%
1998		4,590	757	16%	2,124	46%	171	4%	1,113	24%	425	9%
1999		4,609	798	17%	2,299	50%	156	3%	817	18%	539	12%
2000		4,938	557	11%	2,735	55%	185	4%	1,002	20%	459	9%
2001		5,646	483	9%	3,028	54%	194	3%	1,361	24%	580	10%

***Data was not collected in 1985, so 1984 and 1986 figures were averaged to arrive at estimated 1985 figures.

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.

Data before 1996 from prior Alaska Electric Power Statistics reports.

Table 5.4 Utility Net Generation (MWh) by Region (1963-2001)

Year		Utility Total	Arctic	% of Utility Total	South Central	% of Utility Total	South East	% of Utility Total	South West	% of Utility Total	Yukon	% of Utility Total
1962												
1963		574,000	14,000	2%	329,000	57%	129,000	22%		0%	102,000	18%
1964		628,000	15,000	2%	362,000	58%	141,000	22%		0%	110,000	18%
1965		733,926	9,126	1%	451,349	61%	148,121	20%	7,980	1%	117,350	16%
1966		822,000	20,000	2%	510,000	62%	160,000	19%		0%	132,000	16%
1967		891,000	22,000	2%	560,000	63%	156,000	18%		0%	145,000	16%
1968		1,008,000	25,000	2%	635,000	63%	177,000	18%		0%	171,000	17%
1969		1,120,000	29,000	3%	708,000	63%	185,000	17%		0%	198,000	18%
1970		1,281,310	15,836	1%	804,449	63%	201,952	16%	18,941	1%	240,132	19%
1971		1,491,351	18,367	1%	956,098	64%	217,336	15%	22,976	2%	276,574	19%
1972		1,624,744	20,278	1%	1,033,717	64%	232,465	14%	25,847	2%	312,437	19%
1973		1,789,281	22,415	1%	1,169,883	65%	247,700	14%	28,798	2%	320,485	18%
1974		1,935,126	22,755	1%	1,267,829	66%	263,521	14%	32,454	2%	348,567	18%
1975		2,288,220	28,813	1%	1,499,648	66%	289,031	13%	37,151	2%	433,577	19%
1976		2,572,104	37,032	1%	1,722,992	67%	305,796	12%	29,424	1%	476,860	19%
1977		2,828,083	44,908	2%	1,920,710	68%	318,514	11%	42,173	1%	501,778	18%
1978		2,960,038	47,701	2%	2,052,305	69%	326,083	11%	47,336	2%	486,613	16%
1979		3,084,915	51,404	2%	2,166,505	70%	346,457	11%	50,294	2%	470,255	15%
1980		3,181,484	63,936	2%	2,235,091	70%	365,443	11%	55,402	2%	461,612	15%
1981		3,281,429	71,666	2%	2,305,525	70%	394,724	12%	59,659	2%	449,855	14%
1982		3,714,277	86,813	2%	2,577,871	69%	475,011	13%	68,178	2%	506,404	14%
1983		3,856,013	94,981	2%	2,655,641	69%	507,253	13%	77,308	2%	520,830	14%
1984		4,146,039	100,906	2%	2,827,848	68%	567,608	14%	79,846	2%	569,831	14%
1985		4,473,992	107,467	2%	3,164,189	71%	579,250	13%	83,877	2%	539,209	12%
1986		4,410,431	112,398	3%	3,088,302	70%	568,241	13%	89,186	2%	552,304	13%
1987		4,423,875	113,700	3%	3,186,583	72%	580,705	13%	106,937	2%	435,950	10%
1988		4,502,221	119,138	3%	3,167,213	70%	636,945	14%	112,804	3%	466,121	10%
1989		4,603,964	126,988	3%	3,269,386	71%	626,705	14%	119,476	3%	461,409	10%
1990		4,674,565	135,768	3%	3,318,206	71%	651,226	14%	127,326	3%	442,039	9%
1991		4,621,212	162,135	4%	3,180,445	69%	660,607	14%	126,761	3%	491,264	11%
1992		4,736,792	163,449	3%	3,303,067	70%	670,609	14%	132,589	3%	467,078	10%
1993		4,733,185	155,026	3%	3,249,963	69%	659,553	14%	135,373	3%	533,270	11%
1994		4,924,864	157,381	3%	3,439,538	70%	687,221	14%	143,404	3%	497,320	10%
1995		5,018,794	161,031	3%	3,501,178	70%	714,949	14%	139,087	3%	502,549	10%
1996		4,982,268	71,707	1%	3,609,022	72%	656,591	13%	91,476	2%	553,472	11%
1997		5,108,003	120,857	2%	3,594,688	70%	632,150	12%	73,625	1%	686,683	13%
1998		4,590,270	122,432	3%	3,200,155	70%	529,577	12%	76,632	2%	661,474	14%
1999		4,609,315	128,838	3%	3,338,963	72%	398,387	9%	98,213	2%	644,914	14%
2000		4,937,687	126,766	3%	3,650,429	74%	552,457	11%	44,473	1%	563,562	11%
2001		5,646,290	179,162	3%	3,761,085	67%	704,468	12%	167,057	3%	834,519	15%

Barrow Natural Gas values missing for 1996

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.
Data before 1996 from prior Alaska Electric Power Statistics reports.

Table 5.5 Utility Sales, Revenue, and Customers (1962-2001)

	State Total			Residential			Commercial and Industrial			Other		
Year	Sales (MWh)	Revenue ($000)	Customers (accounts)	Sales	Revenue	Customers	Sales	Revenue	Customers	Sales	Revenue	Customers
1962	440,000	$17,449	50,734	215,000	$8,774	43,112	201,000	$7,812	7,157	24,000	$863	
1963	516,000	$18,065	54,174	233,000	$8,553	46,239	256,000	$8,603	7,472	27,000	$907	
1964	562,000	$18,792	57,738	253,000	$8,762	49,358	284,000	$9,105	7,943	25,000	$925	
1965	616,000	$20,851	59,986	277,000	$9,789	51,456	312,000	$10,060	8,100	27,000	$1,002	
1966	694,000	$22,818	60,554	303,000	$10,548	52,019	357,000	$11,049	8,110	34,000	$1,221	
1967	786,000	$25,163	62,917	348,000	$11,738	53,797	391,000	$11,965	8,706	47,000	$1,460	
1968	841,000	$26,461	65,412	366,000	$12,285	55,902	411,000	$12,381	9,058	64,000	$1,795	
1969	956,000	$28,239	69,938	417,000	$13,048	59,967	470,000	$13,244	9,517	69,000	$1,947	
1970	1,054,000	$30,655	74,323	465,000	$14,015	63,996	513,000	$14,591	9,879	76,000	$2,049	
1971												
1972												
1973												
1974												
1975	1,982,586	$62,676	103,523	910,638	$30,789	89,724						
1976	2,250,884	$85,810	114,995	1,008,683	$38,854	98,520						
1977												
1978												
1979												
1980	2,825,885	$145,643	144,558	1,277,257	$65,561	123,894	1,444,117	$71,556	18,679			
1981	2,912,588	$179,361	151,815	1,290,616	$76,704	129,795	1,501,272	$89,867	19,320			
1982	3,243,776	$220,120	164,087	1,460,183	$100,168	140,769	1,694,845	$112,052	20,996			
1983	3,404,361	$263,916	179,286	1,516,594	$121,690	154,639	1,757,507	$126,179	21,778			
1984	3,638,000	$299,075	198,765	1,588,764	$134,421	170,470	1,901,883	$147,733	24,678			
1985	3,133,696	$327,823	207,812	1,659,526	$142,454	171,889	12,266,920	$151,832	983,309			
1986	4,041,658	$351,620	490,615	1,610,969	$148,852	190,401	2,169,522	$172,254	296,143	261,167	$30,514	4,071
1987	3,932,791	$356,165	226,616	1,542,405	$150,996	192,404	2,198,897	$179,972	30,496	191,489	$25,197	3,716
1988	4,019,398	$366,322	227,020	1,578,933	$154,076	191,698	2,207,325	$180,297	30,855	233,140	$31,949	4,467
1989	4,144,099	$381,926	228,552	1,636,796	$159,560	193,042	2,237,907	$188,288	31,117	269,396	$34,078	4,393
1990	4,235,451	$402,043	229,897	1,646,617	$166,009	193,443	2,307,933	$201,250	31,817	280,901	$34,784	4,637
1991	4,252,707	$418,382	233,394	1,613,758	$170,879	195,941	2,425,317	$221,318	32,708	213,632	$26,185	4,745
1992	4,326,067	$432,219	237,518	1,640,914	$177,586	199,250	2,467,751	$226,936	33,477	217,402	$27,697	4,791
1993	4,368,172	$441,048	241,929	1,628,395	$180,749	203,218	2,538,044	$238,638	34,598	201,734	$21,660	4,113
1994	4,550,653	$465,995	245,246	1,689,011	$191,397	206,279	2,635,784	$248,265	34,962	225,858	$26,333	4,005
1995	4,637,935	$472,891	250,815	1,711,770	$193,033	210,870	2,702,302	$249,684	34,968	223,863	$30,174	4,977
1996	4,779,562	$489,489	256,103	1,766,184	$200,660	215,712	2,834,072	$264,912	36,194	179,306	$23,917	4,197
1997	4,840,529	$487,620	254,991	1,725,834	$197,457	215,076	2,936,355	$263,860	35,008	178,340	$26,303	4,907
1998	5,094,584	$508,097	265,185	1,767,992	$203,284	222,927	3,124,911	$277,217	36,935	201,681	$27,596	5,323
1999	5,292,615	$517,414	269,831	1,865,743	$208,179	227,247	3,229,036	$281,217	37,009	197,836	$28,018	5,575
2000	5,309,970	$535,246	273,530	1,854,968	$212,474	230,534	3,273,104	$296,990	38,928	181,898	$25,782	4,068
2001	5,419,836	$639,625	272,161	1,885,745	$221,223	237,110	3,282,876	$298,097	37,372	191,183	$27,432	5,256

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.
Data before 1996 from prior Alaska Electric Power Statistics reports.

Table 5.6 Average Annual Energy Use and Cost (1962-2001)

	Total			Residential			Commercial/Industrial			Other		
Year	sales/ customer (KWh)	revenue/ customer	cost/Kwh (cents)	sales/ customer (KWh)	revenue/ customer	cost/Kwh (cents)	sales/ customer (KWh)	revenue/ customer	cost/Kwh (cents)	sales/ customer (KWh)	revenue/ customer	cost/Kwh (cents)
1962	8,673	$344	4.0	4,987	$204	4.1	28,084	$1,092	3.9			3.6
1963	9,525	$333	3.5	5,039	$185	3.7	34,261	$1,151	3.4			3.4
1964	9,734	$325	3.3	5,126	$178	3.5	35,755	$1,146	3.2			3.7
1965	10,269	$348	3.4	5,383	$190	3.5	38,519	$1,242	3.2			3.7
1966	11,461	$377	3.3	5,825	$203	3.5	44,020	$1,362	3.1			3.6
1967	12,493	$400	3.2	6,469	$218	3.4	44,912	$1,374	3.1			3.1
1968	12,857	$405	3.1	6,547	$220	3.4	45,374	$1,367	3.0			2.8
1969	13,669	$404	3.0	6,954	$218	3.1	49,385	$1,392	2.8			2.8
1970	14,181	$412	2.9	7,266	$219	3.0	51,928	$1,477	2.8			2.7
1971												
1972												
1973												
1974												
1975	19,151	$605		10,149	$343							
1976	19,574	$746	3.8	10,238	$394	3.8						
1977												
1978												
1979												
1980	19,548	$1,008	5.2	10,309	$529	5.1	77,312	$3,831	5			
1981	19,185	$1,181	4.0	9,943	$591	5.9	77,706	$4,652	6			
1982	19,769	$1,341	6.8	10,373	$712	6.9	80,722	$5,337	6.6			
1983	18,988	$1,472	7.8	9,807	$787	8	80,701	$5,794	7.2			
1984	18,303	$1,505	8.2	9,320	$789	8.5	77,068	$5,986	7.8			
1985	15,079	$1,577	9.5	9,655	$829	14.3	12,475	$154	9.2			
1986	8,238	$717	9.6	8,461	$782	14.8	7,326	$582	9.5	64,153	$7,495	18.6
1987	17,354	$1,572	9.9	8,016	$785	10.6	72,104	$5,901	9.7	51,531	$6,781	18.1
1988	17,705	$1,614	9.9	8,237	$804	10.6	71,539	$5,843	9.6	52,192	$7,152	19.1
1989	18,132	$1,671	10.0	8,479	$827	10.7	71,919	$6,051	9.9	61,324	$7,757	16.3
1990	18,423	$1,749	9.5	8,512	$858	10.1	72,538	$6,325	8.7	60,578	$7,501	12.4
1991	18,221	$1,793	9.8	8,236	$872	10.6	74,151	$6,766	9.1	45,023	$5,518	12.2
1992	18,214	$1,820	10.0	8,235	$891	10.8	73,715	$6,779	9.2	45,377	$5,781	12.7
1993	18,056	$1,823	10.1	8,013	$889	11.1	73,358	$6,897	9.4	49,048	$5,266	10.7
1994	18,555	$1,900	10.2	8,188	$928	11.3	75,390	$7,101	9.4	56,394	$6,575	11.7
1995	18,491	$1,885	10.2	8,118	$915	11.3	77,279	$7,140	9.2	44,980	$6,063	13.5
1996	18,663	$1,911	10.2	8,188	$930	11.4	78,302	$7,319	9.3	42,722	$5,699	13.3
1997	18,983	$1,912	10.1	8,024	$918	11.4	83,877	$7,537	9.0	36,344	$5,360	14.7
1998	19,211	$1,916	10.0	7,931	$912	11.5	84,606	$7,506	8.9	37,889	$5,184	13.7
1999	19,615	$1,918	9.8	8,210	$916	11.2	87,250	$7,599	8.7	35,486	$5,026	14.2
2000	19,413	$1,957	10.1	8,046	$922	11.5	84,081	$7,629	9.1	44,714	$6,338	14.2
2001	19,914	$2,350	11.8	7,953	$933	11.7	87,844	$7,977	9.1	36,372	$5,219	14.3

Total sales, revenue, and customers may exceed the the sum of Residential and Commercial/Industrial. This is due to the addition of accounts which do not fit into these two classes. These figures do not include sale for resale.

Data from 1996-2000 from EIA historical tables and not consistent with prior years due to changes in reporting and utilities that failed to report to EIA.
Data before 1996 from prior Alaska Electric Power Statistics reports.

ALASKA ENERGY BALANCE

Section 2: The Alaska Energy Balance

A. Overview

Table 1 and Figure 1 summarize the amount of energy extracted, produced, exported, or used in Alaska in 2001. The different types of fuels are listed across the top of the table and the disposition of energy in Alaska is listed down the side.

Total extraction of energy in Alaska amounted to the equivalent of 4853 trillion Btu's in 2001. This extracted energy was in the form of coal, natural, gas, crude oil, natural gas liquids, and water power.

Net Extraction: About 2,288 trillion Btu's of this total extracted energy was re-injected into the ground in the form of natural gas to help lift additional oil out of North Slope wells. In addition, about 200 trillion Btu's of natural gas and crude oil were used during the process of extracting oil and gas and transporting oil through the TAPS pump stations. [1] The *net extraction* of energy in Alaska equals total extraction minus this energy that was re-injected or used during the process of extracting or transporting oil and gas. This *net extraction* of energy in Alaska amounted to 2,355 trillion Btu's in 2001. Figure 2 summarizes the composition of total and net extraction of energy in Alaska. About 45% of all energy extracted in Alaska is in the form of crude oil that is either processed in Alaska or exported.

Processed Products: Alaska's four petroleum refineries and two natural gas processing plants processed crude oil and natural gas with the combined energy equivalent of about 400 trillion Btu's.[2] These plants and refineries produced liquid natural gas, jet fuel, motor gasoline, diesel fuel, ammonia, and urea. These petroleum and natural gas products amount to the energy equivalent of about 363 trillion Btu's. About 34 trillion Btu's of energy are used up in the processing of these petroleum products. As shown in Figure 3, jet fuel and liquid natural gas comprised the largest shares of energy processed by Alaska refiners.

Exports: Alaska exported 1878 trillion Btu's of raw energy products, including crude oil, natural gas liquids, and coal. In addition, all of the liquid natural gas and all of the ammonia-urea were exported. About two thirds of the jet fuel produced in the state were exported out of the state to the Lower 48 or foreign countries in the fuel tanks of international air carriers flying through Anchorage and Fairbanks. In total, about 2,139 trillion Btu's of energy were exported from the state either as raw products or processed petroleum products. As shown in Figure 4, crude oil contributed the largest share (89%) of energy exports from the state.

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[1] This estimate of energy used during extraction does not include the crude oil petroleum products refined at the North Slope refinery and used locally. These petroleum products from the North Slope refinery are included in the "Processing" line in the summary tables of this report.

[2] Alaska's four petroleum refineries are in North Pole, Nikiski, Valdez, and the North Slope. There is also a gas-to-liquids processing plant in Nikiski and an ammonia and urea processing plant in Nikiski.

Electric Power: As discussed in other parts of this report, electric utilities used energy to generate electricity. The utilities used *as total inputs* the energy equivalent of about 38 trillion Btu's of coal, natural gas, liquid petroleum fuels, waterpower, and wind. In the process of generating electricity, utilities *used up* 20 trillion Btu's of energy. The utilities generated *as output* the energy equivalent of 18 trillion Btu's of generated electric power for sales to consumers.[3] As shown in Figure 5, most of the electric power generated by utilities was produced from natural gas.

Imports: Alaska imported a variety of petroleum products from the Lower 48. Consumers in Alaska get about 36% of their petroleum products from refineries outside Alaska. In particular, Alaska gets about two thirds of its motor gasoline and nearly all of its jet fuel from Alaska refineries. The rest of these petroleum products purchased by Alaska consumers come from outside the state.

Net Domestic Consumption is composed of four components: residential, commercial, industrial, and transportation consumption. Notably, net domestic consumption *does not* include energy used by utilities for electric power generation or energy used up during petroleum product processing. Net domestic consumption in Alaska amounted to 223 trillion Btu's in 2001. Transportation consumption was by far the largest component of net domestic consumption and amounted to 116 trillion Btu's. Residential consumption totaled about 38 trillion Btu's. Commercial consumption was about 27 trillion Btu's. Industrial consumption (including military bases) totaled 33 trillion Btu's.

Consumers used the "net domestic consumption" of energy in many different ways. We have estimates of the energy consumed for some of these specific uses, including transportation uses, heating use, military uses, and other uses:

- ***Transportation use***: The single largest transportation use of energy was for airplanes, which consumed the energy equivalent of 47 trillion Btu's (8 million barrels) of jet fuel. Diesel trucks and cars consumed 35 trillion Btu's (6 million barrels) of distillate fuel. Gasoline vehicles consumed 33 trillion Btu's (6 million barrels). We do not have sufficient information to determine how much of this transportation energy use was by each type of consumer.

- ***Heating use:*** Residential and commercial consumers consumed about 52 trillion Btu's for space and water heat. Most of this energy came from natural gas (26 trillion Btu's) and from distillate fuels (20 trillion Btu's). Electricity contributed 5 trillion Btu's to heating uses. Wood and other petroleum products (such as propane) contributed much smaller amounts of energy heating uses by residential and commercial consumers.

[3] Electric power and heat generated by industrial users other than utilities is accounted for in the summary table under "industrial net domestic consumption" of energy.

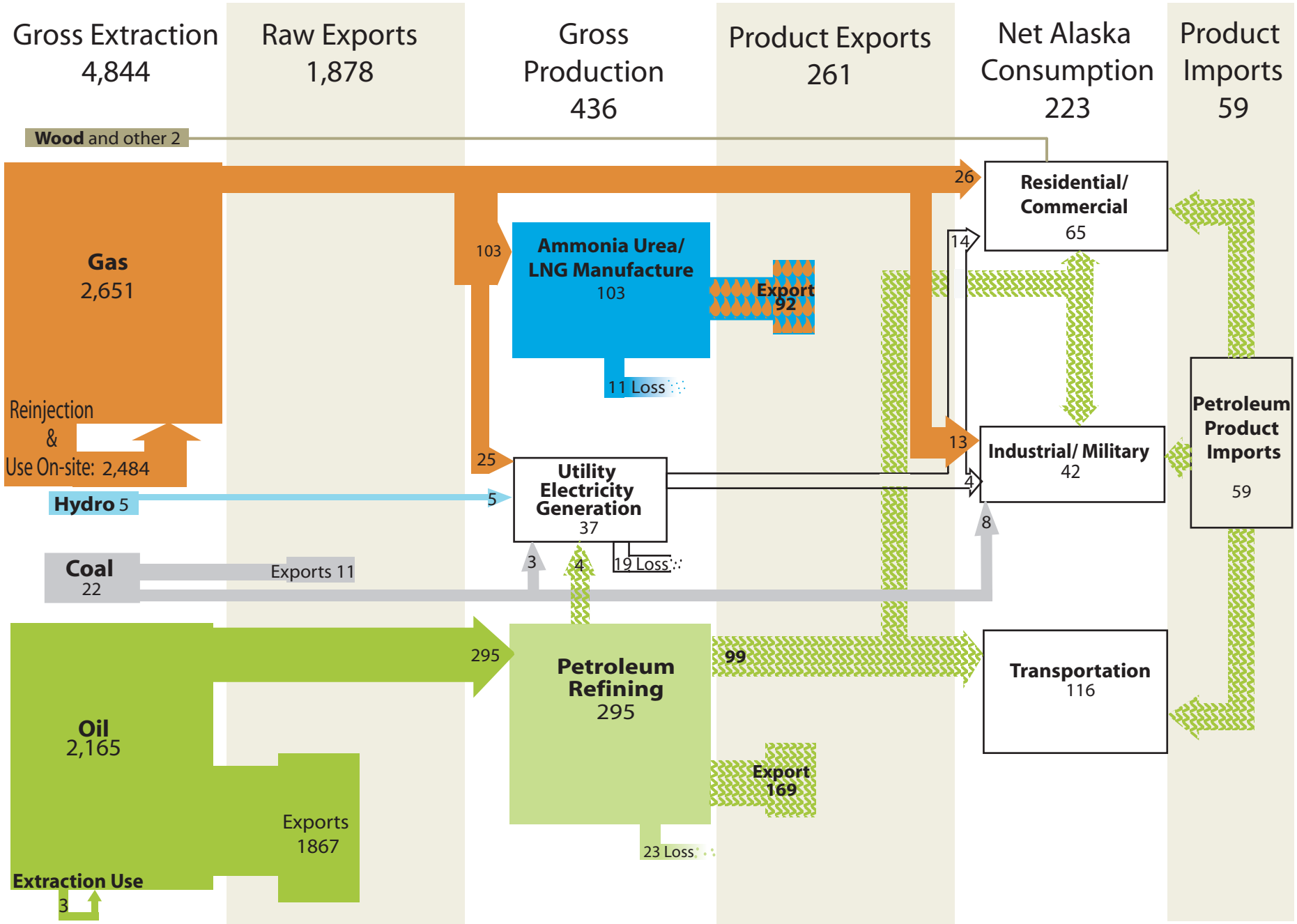
- ***Industrial uses:*** Military bases in Alaska used about 9 trillion Btu's for heating and generating power. Alaska industries (other than military bases and oil and gas extraction or processing) used 33 trillion Btu's for a variety of industrial uses, including heat, generating power, and processing materials. We do not have sufficient information to determine how much energy these industrial consumers used for each of these uses.

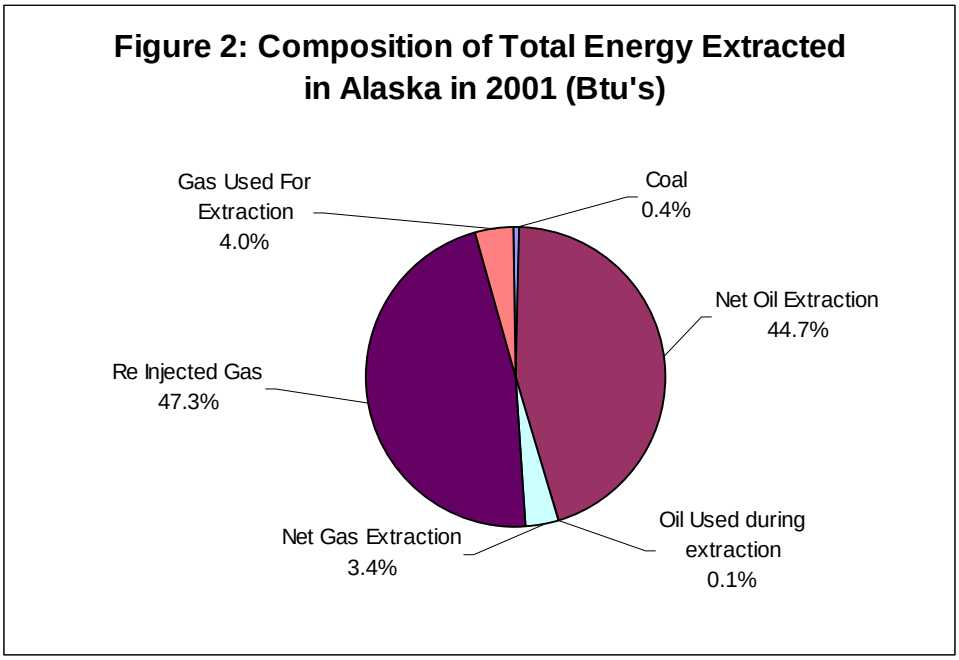
- ***Other uses:*** After accounting for heat, transportation, and industrial uses, the remaining 17 trillion Btu's was used primarily in the form of electricity by residential and commercial consumers for lighting and other non-transportation uses.

Table 1: Summary of Energy Balance in Alaska in 2001 in Trillion Btu's													
			Petroleum										
	Coal	Natural Gas	Total Crude, NGL, and Pro-ducts	Crude Oil	Natural Gas Liquids	Dis-tillate Fuel	Jet Fuel	Motor Gas-oline	Other Petro-leum Pro-ducts	Hydro-electric	Other: Wood, Ethanol, Wind, and Geother mal	Electri-city	Total
Gross Extraction	**22**	**2,651**	**2,165**	**1,994**	**172**					**5**	**2**		**4,844**
- Re Injected Gas		2,288											2,288
- Other Use during Extraction		196	3	3									199
= Net Extraction	**22**	**167**	**2,162**	**1,991**	**172**					**5**	**2**		**2,357**
- Raw Exports	11		1,867	1,696	172								1,878
= Net Domestic Disposition	**11**	**167**	**295**	**295**						**5**	**2**		**480**
+ Imports			60			46	0.7	12					60
= Gross Domestic Disposition	**11**	**167**	**355**	**295**		**46**	**0.7**	**12**		**5**	**2**		**540**
-Total Electricity Input	3	25	4			4				5			38
Net: Electricity Output	-1	-10	-2			-2				-5			-18
- Processing Use		11	23	23		2	12	4	5				34
- Net Product Exports		92	169			2	100	20	49				261
=Net Domestic Consumption	**8**	**39**	**157**			**70**	**47**	**34**	**7**		**2**	**18**	**224**
Residential	0	13	17			16	0	0	1.1		2	6	38
Commercial	0	12	7			6	0	0	0.2		0.2	8	27
Industrial excluding extraction and processing	8	13	17			12	0	0	5		0	4	42
Transportation	0	0	116			35	47	33	0		0	0	116
Unclassified	0	0	0			0	0	0	0		0	1	1
Item: Gross Product Exports		103	192	23		4	112	23	54				295
Process Use		11	23	23		2	12	4	5				34
Product Exports		92	169			2	100	20	49				261
Item: Total Energy for Electricity	3	25	4			4				5			38
Used in Production	2	15	3			3				0			19
Net Output	1	10	2			2				5			18
Item: Consumption Components													
Military (part of Industrial and Transportation consumption)		26	20			20	0	0.0			2	5	52
Heating (part of Residential and Commercial consumption)	7	4	10			0.3	8	2					20
Commodity-to-BTU Conversion Factor	0.01	0.8	5.7	5.7	5.7	5.8	5.7	5.2	6.1	3.4	0.02	3.4	

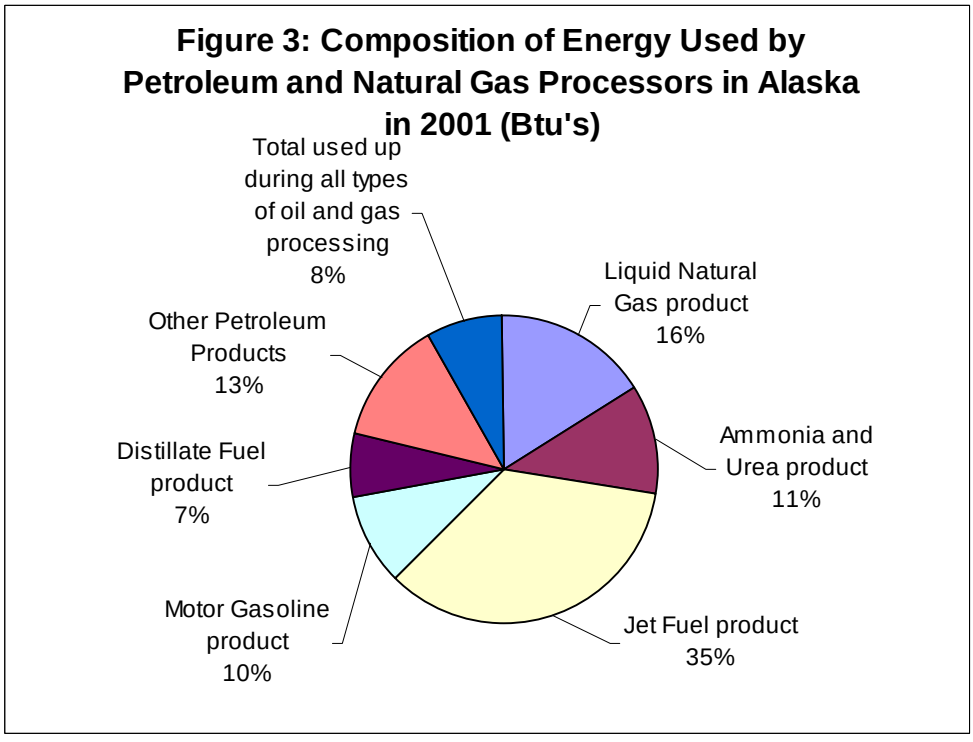
Source: US Energy Information Agency, Alaska Department of Natural Resources, ISER survey of electric power generators, Alaska Business Monthly, and US Army Corps of Engineers, Waterborne Commerce of the US. Final Consumption of hydroelectric power is included in electricity sales.

2001 Alaska Energy Flow (Trillion BTUs)

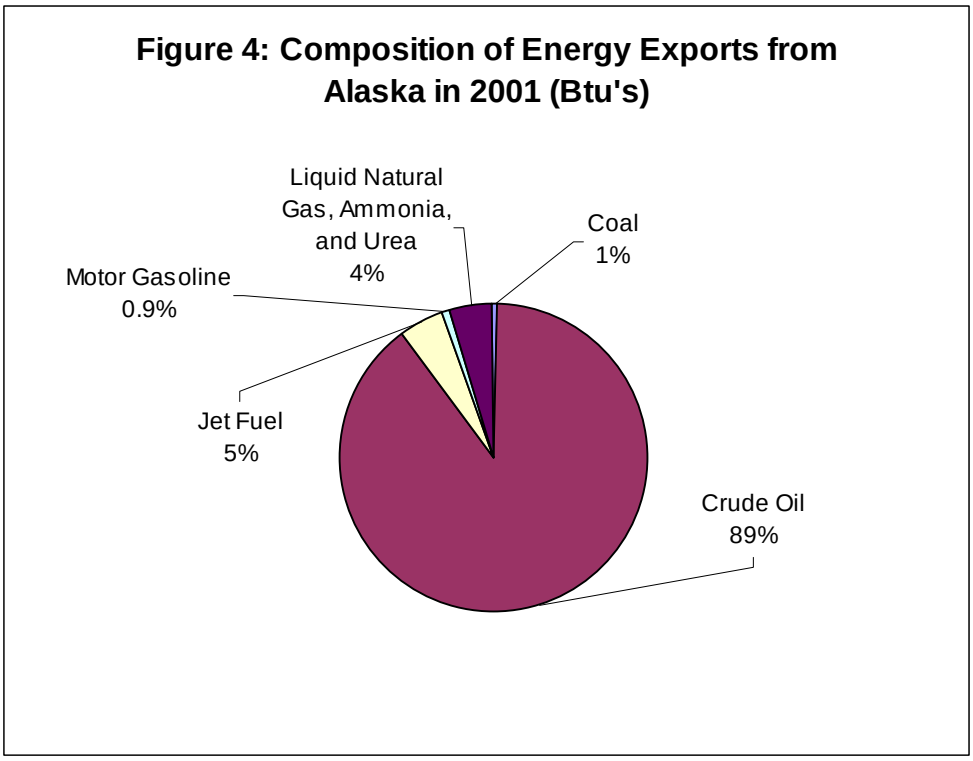




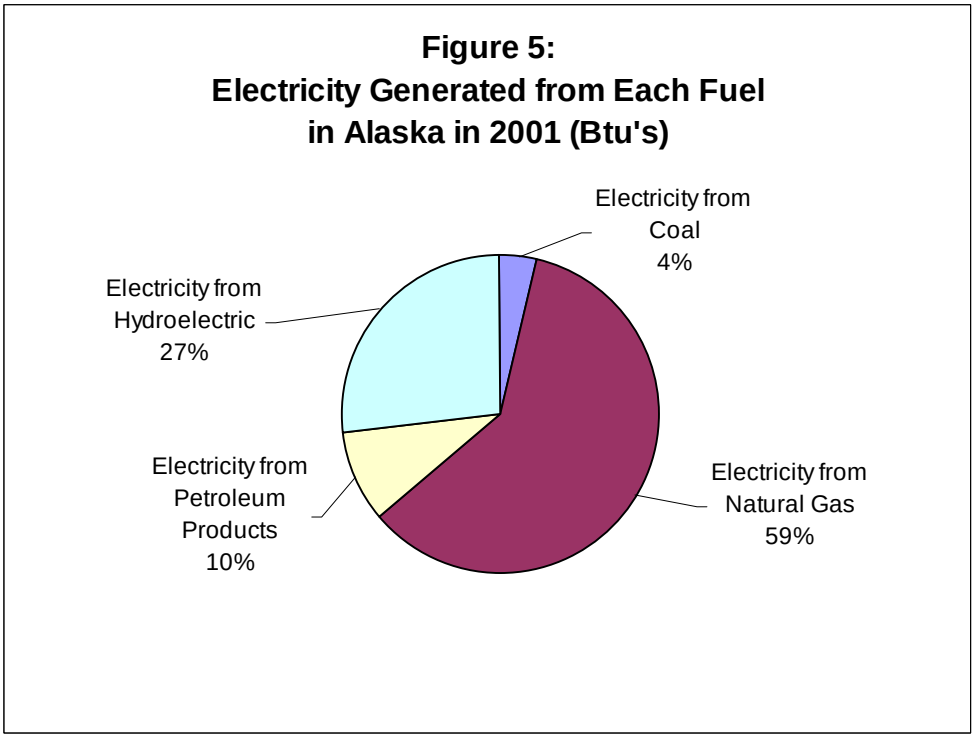
Source: ISER Calculations



Source: ISER Calculations



Source: ISER Calculations



Source: ISER Calculations

B. Commodities

Table 2 summarizes the quantities of energy commodities extracted, processed, exported, or used in Alaska.

Coal: In 2001, 1,514 thousand short tons of coal were extracted from the Usibelli Coal Mine nearly Healy, Alaska. About 194 thousand short tons were used as inputs for electric power generation at the GVEA electric power generator near the mine. About 750 thousand short tons were shipped through the Port of Seward to South Korea. The remaining 570 thousand short tons were sold to industrial and commercial customers, including Clear Air Force Station, Eielson Air Force Base, Fort Wainwright Army Post, and the University of Alaska Fairbanks.[4] These consumers used the coal for heating and power generation.

Natural Gas: Almost 3400 billion cubic feet of natural gas were extracted in 2001 from the North Slope and in Cook Inlet. Over 86% of this gas was re-injected into the ground to assist with lifting oil to the surface on the North Slope. Another 251 billion cubic feet was used to produce power and heat for North Slope facilities and the first two TAPs pump stations. The Phillips Petroleum gas-to-liquids plant near Nikiski processed approximately 78 billion cubic feet of natural gas into liquid natural gas.[5] About 11% of this natural gas is used to power the compressors and boilers at the gas-to-liquids plant.[6] In addition, about 54 billion cubic feet were used at the Agrium plant near Nikiski to produce ammonia and urea. Both are used as ingredients for making fertilizer and other products. All of the liquid natural gas, ammonia, and urea were exported from Alaska. About 33 billion cubic feet of natural gas were used to generate electricity by utilities in Alaska. Residential, commercial, military, and industrial consumers in Alaska used about 49 billion cubic feet of natural gas, much of it for heating.

Petroleum: In 2001, 382 million barrels of petroleum were extracted from the North Slope and Cook Inlet as either crude oil or natural gas liquids. Alaska refineries in North Pole, Valdez, Kenai, and the Nikiski processed a total of about 52 million barrels of crude oil into about 26 million barrels of jet fuel, 8 million barrels of motor gasoline, 5 million barrels of diesel and heating fuel, and 9 million barrels of other petroleum products.[7] All of the crude oil that was *not* refined in state was exported to the Lower 48 or Pacific Rim markets. Most of

[4] From Usibelli Coal Mine web page http://www.usibelli.com/who.html
[5] These estimates of natural gas processed into natural gas liquids, urea, and ammonia are from 1998 and are the most recent available from the Department of Natural Resources Division of Oil and Gas Annual Reports.
[6] Kenai Peninsula Online, April 23, 2000, http://peninsulaclarion.com/stories/042300/new_0423000002.shtml
[7] These estimates of refined petroleum products are approximations based on the published estimates of the percentage composition of petroleum products produced refiners.

the jet fuel refined in the state is exported as fuel for international air carriers flying through the state. Alaska consumers use about 12 million barrels of distillate fuel, 8 million barrels of jet fuel, and 6 million barrels of motor gasoline.[8] Most of these petroleum products come from Alaska refiners. However, Alaska also imports about 8 billion barrels of distillate fuel and 2 million barrels of motor gasoline from outside the state. Alaska also exports some motor gasoline that is refined within the state.

Electricity: Other chapters in this report discuss the generation and use of electricity in more detail. Residential and commercial consumers use most of the 6 million megawatt hours of electric power generated in Alaska. Alaska neither exports nor imports electric power.

[8] About 2 million barrels of motor gasoline that re refined in Alaska are exported.

Table 2: Summary of Energy Balance in Alaska in 2001 in Commodity Units

	Coal	Natural Gas	Petroleum							Hydro-electric	Electricity
			Total Crude Oil, Petroleum Products, and NGL	Crude Oil	Natural Gas Liquids	All Distillate Fuel	Jet Fuel	Motor Gasoline	Other Petroleum Products		
	Thousand Short Tons	Billion Cubic Feet	Million Barrels	Million Barrels	Million Barrels	Million Barrels	Million Barrels	Million Barrels	Million Barrels	Million Megawatt Hours	Million Megawatt Hours
Gross Extraction	**1,514**	**3,394**	**382**	**351**	**30**					**1**	
- Re Injected Gas		2,930									
- Other Use during Extraction		251	0.5	0.5							
= Net Extraction	**1,514**	**214**	**381**	**351**	**30**					**1**	
- Raw Exports	750		329	299	30						
= Net Domestic Disposition	**764**	**214**	**52**	**52**		**5**	**28**	**9**	**10**	**1**	
+ Imports	0	0	11	0	0	9	0.1	2	0	0	5
= Gross Domestic Disposition	**764**	**214**	**63**	**52**	**0**	**14**	**28**	**11**	**10**	**1**	**5**
-Total Electricity Input	194	33	0.8			0.8				1	
Net: Electrictiy Output (Million MWH of electricity)	0.2	3	0.5			0.5				1	5
- Processing Use		14	4	4		0.4	2	0.7	0.8		
- Net Product Exports		117	30			0.3	18	4	8		0
= Net Domestic Consumption	**570**	**49**	**28**			**12**	**8**	**6**	**1**		**5**
Residential	0	17	3			3	0	0	0.2		1.9
Commercial	0	16	1			1	0	0.1	0.03		2.2
Industrial excluding extraction and processing	570	17	3			2	0	0	0.9		1.1
Transportation	0	0	20			6	8	6	0		0.0
Unclassified	0	0	0			0	0	0	0		0.2
Item: Gross Product Exports		132	34	4			20	4	9		
Process Use		14	4	4			2	1	1		
Product Exports		117	30				18	4	8		
Item: Total Energy for Electricity	194	33	0.8			0.8				1	
Used in Production	148	19	0.5			0.5				0	
Net Output	46	13	0.3			0.3				1	
Item: Consumption Components											
Military (part of Industrial and Transportation consumption)	470	5	2			0.05	1	0.4			
Heating (part of Residential and Commercial consumption)		33	4			3					1

Source: US Energy Information Agency, Alaska Department of Natural Resources, ISER survey of electric power generators, Alaska Business Monthly, and US Army Corps of Engineers, Waterborne Commerce of the US.

C. Prices

Table 3 summarizes the price of energy in both dollars per million Btu and dollars per unit of energy commodity. Natural gas is by far the least expensive source of energy, costing on average $1.64 per million Btu. The price to industrial users on the North Slope ($1.51) is substantially lower than the cost to residential consumers (about $2 to $4 per million Btu). Coal is the next least expensive source of energy, costing about $2.21 per million Btu. Liquid petroleum products cost $7 or more per million Btu. Electricity is one of the most convenient and versatile forms of energy but is also the most costly, at $22 to over $30 per million Btu.

Table 3: Summary of Energy Final Consumption Prices in Alaska in 2000

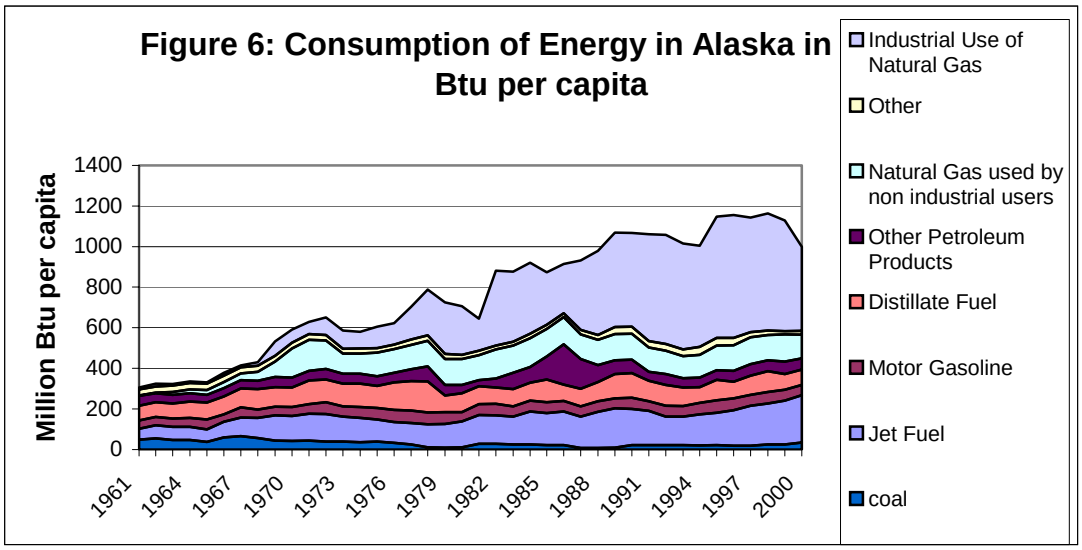
	Coal	Natural Gas	Petroleum Products			Electricity Sales	Average
			All Distillate Fuel	Jet Fuel	Motor Gasoline		
Dollars per million Btu							
All Consumers	$2.34	$2.38	$10.09	$7.10	$12.77	$28.45	$10.07
Residential	$2.13	$3.57	$9.64			$33.57	$12.62
Commercial	$2.13	$2.04	$8.62		$12.77	$29.61	$8.13
Industrial	$2.34	$1.51	$7.94		$12.77	$22.17	$4.26
Transportation		$2.04	$11.38	$7.10	$12.77	$0.00	$8.52
Heating (part of Residential and Commercial)		$3.57	$9.64			$33.57	$12.62
Dollars per commodity unit	Dollars per Short Ton	Dollars per MCF	Dollars per Barrel	Dollars per Barrel	Dollars per Barrel	dollars per KWH	
All Consumers	$49.58	$2.82	$58.77	$40.24	$66.53	$0.11	
Residential	$45.13	$4.16	$56.15			$0.12	
Commercial	$45.13	$2.72	$50.23		$66.53	$0.14	
Industrial	$49.58	$1.56	$46.24		$66.53	$0.08	
Transportation		$2.72	$66.31	$40.24	$66.53	$0.14	
Heating (part of Residential and Commercial)		$4.16	$56.15				

Source: US Energy Information Agency, Alaska Department of Natural Resources, ISER survey of electric power generators, Alaska Business Monthly, and US Army Corps of Engineers, Waterborne Commerce of the US

D. Historical Trends

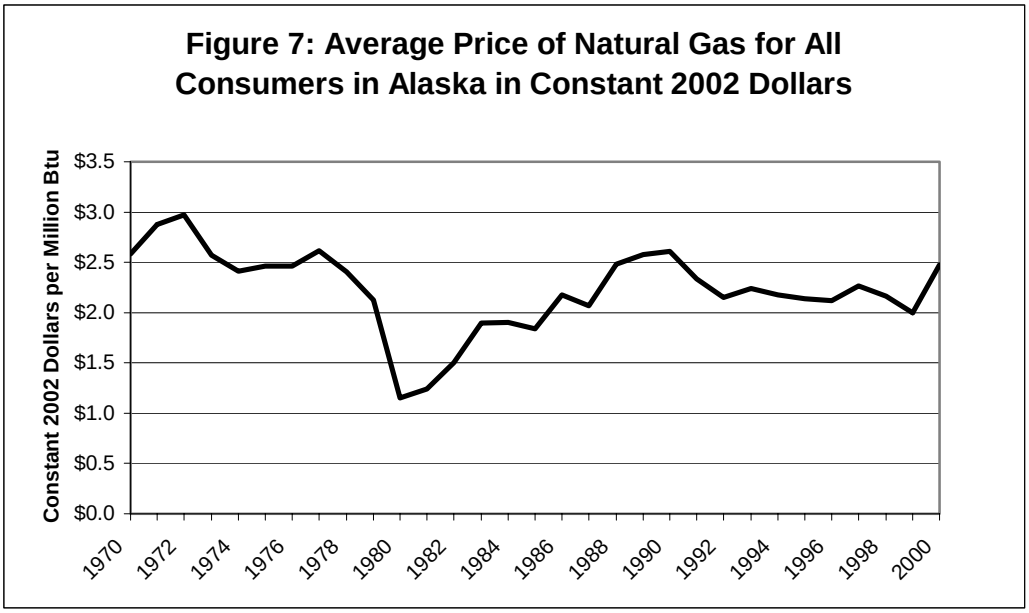
Using data on the consumption of energy from the US Energy Information Administration, we can track the amount of energy used since statehood in Alaska. Notably, these estimates of consumption from the EIA include the industrial use of natural gas on the North Slope during oil and gas extraction processes. As a result, they are higher than our estimates of gross consumption, which do *not* include the use of natural gas during extraction.

Natural gas became the predominant source of energy used in Alaska after oil and gas production began in Cook Inlet, in the late 1960's (see Figure 6). When oil and gas production began on the North Slope in the late 1970's, natural gas consumption by industrial users increased dramatically because it was used to power North Slope operations. All other fuels -- including diesel, motor gasoline, jet fuel, and coal, have contributed relatively stable shares of total energy consumption *per capita* in the state.

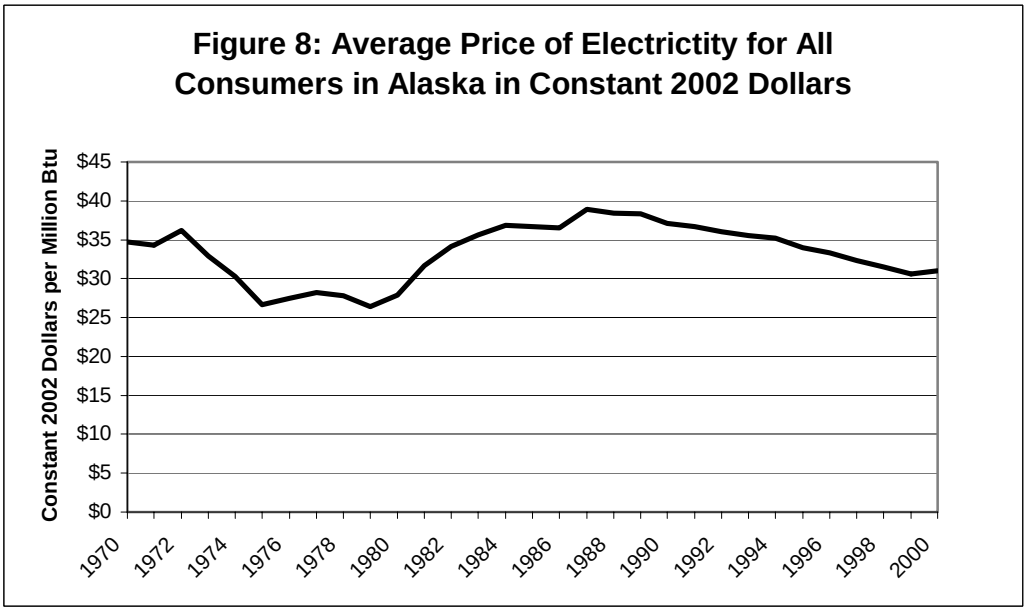


Note: The US Energy Information Agency estimates of energy consumption include energy consumed during oil and gas extraction. Source: US Energy Information Agency

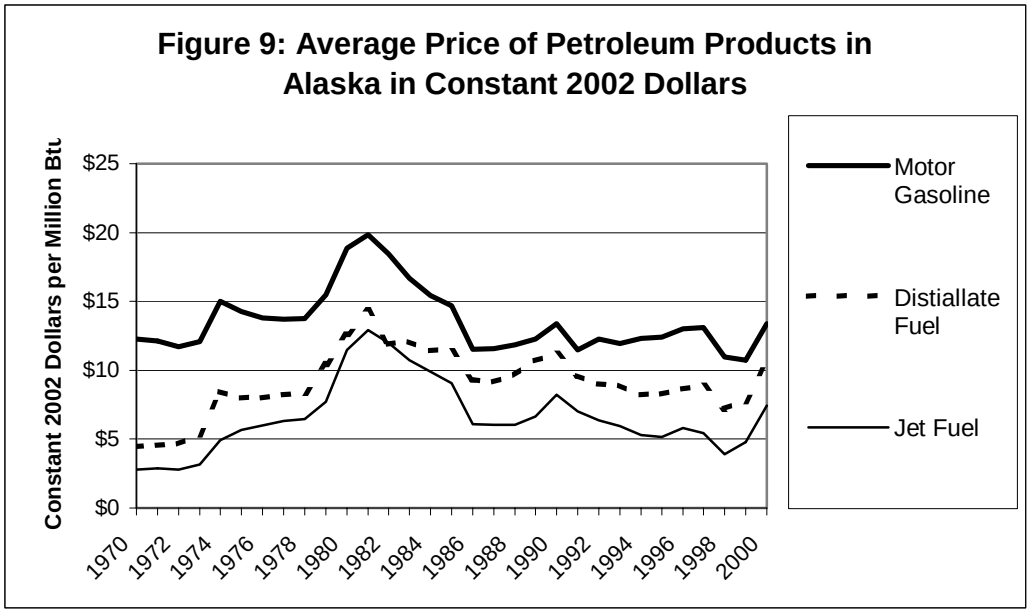
Natural gas has consistently been the least expensive form of energy and has averaged slightly less than $2.50 per million Btu (see Figure 7). Electricity has become less expensive over time as more power is generated from relatively cheaper natural gas (see Figure 8). The price of petroleum products closely follows the price of crude oil over time (see Figure 9).



Source: US Energy Information Administration



Source: US Energy Information Agency



Source: US Energy Information Agency

E. Regional Consumption

Some of the energy consumption in Alaska can be attributed to particular regions of the state:

Coal: Most consumption of coal occurs in the railbelt, either near the Usebelli Coal Mine near Healy or at military bases and university campus either in or near Fairbanks.

Natural Gas: Most final consumption of natural gas by consumers occurs in or near Anchorage. Substantial amounts of natural gas are also used for oil and gas extraction in Cook Inlet and the North Slope.

Petroleum Products: Much of the petroleum products refined in North Pole and Nikiski are transported to other parts of the state by barge or by road. We investigated the Department of Revenue "Motor Fuel Reports" and the US Army Corps of Engineers Waterborne Commerce Reports in order to estimate regional consumption of petroleum products. Neither of these reports provided sufficient information to estimate regional consumption of petroleum products in Alaska.

Electricity: As discussed in detail in other chapters of this report, we estimated the regional generation and consumption of energy based on reports from individual utilities.

Housing Characteristics: One of the primary determinants of residential consumption of energy is housing characteristics. Houses use various fuels for space and water heating and variations in housing characteristics across the state would partially explain regional variations in energy use. As listed in Table 4, housing units use a variety of fuels for heating. Notably, the railbelt uses mostly natural gas for heating while housing units in other regions use heating oil or electricity (often generated from diesel fuel in rural Alaska). Larger homes require more energy for space heating. One indicator of the size of homes is the number of rooms. Table 5 summarizes the average number of rooms in houses in different regions of the state. On average, the homes with the most number of rooms are in the Railbelt. Because of climatic variations across the state, there are substantial differences in the amounts of heat required to heat homes. Table 6 summarizes the number of heating degree-days for select places in Alaska to give some indication of the variation in space heating requirements in different regions of the state.

Table 4: Percent of Housing Units within Each Region Using Each Type of Fuel									
Region	Utility gas heating	Bottled tank or LP gas heating	Electricity heating	Fuel oil, kerosene, etc heating	Coal or coke heating	Wood heating	Solar energy heating	Other fuel heating	No fuel used heating
Railbelt	58.8%	2.1%	10.4%	23.6%	0.6%	2.9%	0.0%	1.0%	0.6%
Southeast	0.9%	3.5%	16.2%	72.0%	0.0%	5.7%	0.0%	1.4%	0.3%
Rest of State	5.1%	1.5%	3.8%	80.8%	0.1%	7.2%	0.0%	1.2%	0.4%
State	45.9%	2.2%	10.2%	35.8%	0.5%	3.7%	0.0%	1.1%	0.5%
Source: US Census of Population 2000 The railbelt is defined as Anchorage, Fairbanks, Mat-Su, Denali, and Kenai Boroughs as well as the Southeast Fairbanks and Valdez-Cordova Census Areas									

Table 5: Percent of Housing Units within each Region with Number of Rooms										
	1 room	2 rooms	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms	9 or more rooms	Mean Rooms
Railbelt	5.8%	8.6%	11.3%	17.3%	18.2%	13.9%	10.4%	7.3%	7.3%	5.0
Southeast	6.3%	8.7%	14.0%	18.3%	19.1%	14.1%	9.4%	4.9%	5.2%	4.8
Rest of State	12.2%	13.3%	17.2%	19.7%	18.6%	10.1%	4.7%	2.2%	2.1%	3.9
State	6.7%	9.3%	12.4%	17.7%	18.4%	13.4%	9.5%	6.3%	6.3%	4.9
Source: US Census of Population 2000										

Table 6: Heating Degree Days in Select Places in Alaska		
Region	**Place**	**Heating Degree Days (base of 65 Degrees F.)**
Railbelt	Anchorage	10570
	Fairbanks	13940
	Homer	10054
	Talkeetna	11606
	Valdez	9953
Southeast	Annette	6987
	Yakutat	9485
Other	Barrow	2022
	Bethel	13098
	Bettles	15689
	Big Delta	13535
	Cold Bay	9733
	Gulkana	13807
	King Salmon	11456
	Kodiak	8817
	Kotzebue	15812
	McGrath	14396
	Nome	1412
	St Paul Island	11031
Source: Western Regional Climate Center		

F. Sources of Data

Extraction: Data for the amounts of crude oil, natural gas, and natural gas liquid extraction and re-injection are from the Alaska Department of Natural Resources, Division of Oil and Gas 2002 Annual Report. Coal extraction is from Energy Information Administration Annual Coal Report. Estimates of the crude oil and natural gas used during extraction is available from Division of Oil and Gas Annual Report for 2000 through 1998, but is not available in the 2002 annual report for more recent years.

Exports: Estimates of exports are available from the US Army Corps of Engineers, Waterborne Commerce of the US. We assume that all crude oil not consumed or processed within the state is exported to the Lower 48. We also assume that all of the liquid natural gas and urea fertilizer processed in the state were exported. Sales of jet fuel at Anchorage International Airport are from a special printout of the "Fuel Sellers Report – Gallons Sold" for fiscal years from the Anchorage International Airport Statistics System. These sales help estimate the amount of jet fuel exported from the state.

Petroleum Refining and Natural Gas Processing: The Department of Natural Resources, Division of Oil and Gas 2000 Annual Report has statistics on use of crude oil and approximate composition of petroleum liquid refining of each refinery for 1998. Articles from Alaska Business Monthly provide additional detail for 2002 for select refineries.

Petroleum Product Sales: Petroleum products sales by refiners come from the US Energy Information Agency Annual Petroleum Report. The statistics in this report are based on forms submitted by refiners, retailers, and wholesalers about the amount of each type of petroleum products they sell. The forms include EIA-782A, "Refiners' / Gas Plan Operators' Monthly Petroleum Product Sales Reports. Total retail sales of petroleum products is from EIA form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

The Department of Natural Resources, Division of Oil and Gas Annual Report for 2000 has "Fuel Consumption History" section that lists detailed fuel consumption for taxable, exempt, and unclassified fuel use through 1998. The source of this data is the Alaska Department of Revenue "Motor Fuel Activity Reports" which list each type of fuel sold in Alaska using the categories and types of sales listed in Table 7. These Motor Fuel Reports are available through 2001, but are no longer generated by the Alaska Department of Revenue. The Motor Fuel Reports are not available for each region of Alaska. These motor fuel activity reports provide the most detailed and accurate source of information on fuel sales in Alaska. The EIA reports provide confirmation about certain types of fuels.

Table 7: Categories and Types of Fuel Sales Used in Department of Revenue Motor Fuel Reports	
Category	**Type of Fuel Sales**
Exempt	Foreign Flights
	Heating Fuel
	Bulk Sales
	Gasohol
	Public Utilities
	State and Local Government
	Federal Government
	Exported as Cargo
	Exempt Power Plants
	Charitable Institutions
	Consigned to Foreign Countries
	Losses
	Other
Not Categorized	Oil and Gas Operations
	Foreign Trade Zone
	Domestic Non-Alaska Air Miles
	Other
Taxable	Aviation Gas
	Aviation Jet
	Diesel
	Motor Gasoline
	Highway Diesel
	Highway Gas
	Marine Diesel
	Marine Gas
	Gasohol
Source: Alaska Department of Revenue Motor Fuel Reports	

Electricity: See the Appendix of this report for sources. Use of fuels for power generation is also available through 2000 from the EIA Consumption Database and the Electric Power Annual Report. Fuel consumed by electric utilities is from EIA Form EIA-759 “Monthly Power Plant Report.”

Final Consumption: Final consumption of petroleum products is derived from Department of Revenue Motor Fuel reports. We used information from Department of Natural Resources, Division of Oil and Gas annual reports to estimate final consumption of natural gas. The consumption of coal is derived from reports from Usibelli Mine. Final consumption of electricity is based on the ISER surveys of electric utilities in the state. We used the US Energy Information Administration Petroleum Annual Report to estimate consumption of some petroleum products, including asphalt

and residual fuels. The US Energy Information Administration reports also provided information for the final consumption of wood and ethanol.

Conversion Factors: The conversion factors for converting commodity units (like short tons, barrels, and cubic feet) to Btu's are from the US Energy Information Administration, which estimates conversion factors for each commodity for each state and for each year. The conversion factors we used in our calculations appear along the bottom of Table 1 and also in Table 8 below.

Table 8: Conversion Factors Used to Convert Commodity Units to Btu's

Commodity	Conversion Factor	Units
Coal	0.014	Million BTU per short ton
Natural Gas	0.781	Thousand BTU per Cubic foot
Petroleum	5.672	Million BTU per barrel
Crude Oil	5.672	Million BTU per barrel
Natural Gas Liquids	5.700	Million BTU per barrel
Distillate Fuel	5.825	Million BTU per barrel
Jet Fuel	5.670	Million BTU per barrel
Motor Gas-oline	5.210	Million BTU per barrel
Other Petroleum Products	6.065	Million BTU per barrel
Hydro-electric	3.412	BTU per KWH
Wood	0.020	Million Btu per thousand Cord
Electricity	3.412	BTU per KWH
Source: Energy Information Agency		

APPENDICES

ALASKA ELECTRIC POWER STATISTICS

Appendix A.

UTILITY LIST

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE	NOTE
AKHIOK	AKHIOK, CITY OF	AKHIOK	N	N	Y	sc			Yes	
ANCEC	AKIACHAK NATIVE COMMUNITY ELECTRIC COMPANY	AKIACHAK	N	N	Y	sw			Yes	
AKIAK	AKIAK, CITY OF	AKIAK	N	N	Y	sw		u	Yes	
AKUTAN	AKUTAN, CITY OF	AKUTAN	N	N	Y	sw			Yes	
AEEC	ALASKA ELECTRIC & ENERGY COOPERATIVE, INC.	WHOLESALE	Y	Y	Y	sc	c	j	No	
AEG&T	ALASKA ELECTRIC GENERATION & TRANSMISSION COOPERATIVE, INC.	WHOLESALE	Y	Y	Y	sc	c	j	No	
AEL&P	ALASKA ELECTRIC LIGHT & POWER COMPANY	DOUGLAS	Y	Y	Y	se	I	u	No	
AEL&P	ALASKA ELECTRIC LIGHT & POWER COMPANY	JUNEAU, CITY & BOROUGH OF	Y	Y	Y	se			No	
AIDEA	ALASKA INDUSTRIAL DEVELOPMENT & EXPORT AUTHORITY	WHOLESALE	N	N	Y	sc	s		No	
AIDEA	ALASKA INDUSTRIAL DEVELOPMENT & EXPORT AUTHORITY	WHOLESALE	N	N	Y	sc	s		No	
APC	ALASKA POWER COMPANY	ALATNA	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	ALLAKAKET	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	BETTLES	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	CHISTOCHINA	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	COFFMAN COVE	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	CRAIG	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	DOT LAKE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	EAGLE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	EAGLE VILLAGE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	EVANSVILLE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	HAINES	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	HEALY LAKE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	HOLLIS	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	HYDABURG	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	KASAAN	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	KLAWOCK	Y	Y	Y	sw	c	u	Yes	
APC	ALASKA POWER COMPANY	MENTASTA LAKE	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	MUD BAY	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	NAUKATI BAY	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	NORTHWAY	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	SKAGWAY	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	TANACROSS	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	TETLIN	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	THORNE BAY	Y	Y	Y	se	c	u	Yes	
APC	ALASKA POWER COMPANY	TOK	Y	Y	Y	y	c	u	Yes	
APC	ALASKA POWER COMPANY	WHALE PASS	Y	Y	Y	se	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	ALAKANUK	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	AMBLER	N	N	Y	an	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	ANDREAFSKY	N	N	Y	y	c	u	Yes	Andreafsky provided power by AVEC in St. Mary's.
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	ANVIK	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	BREVIG MISSION	N	N	Y	an	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	CHEVAK	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	EEK	N	N	Y	sw	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	ELIM	N	N	Y	an	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	EMMONAK	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	GAMBELL	N	N	Y	an	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	GOODNEWS BAY	N	N	Y	sw	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	GRAYLING	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	HOLY CROSS	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	HOOPER BAY	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	HUSLIA	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KALTAG	N	N	Y	y	c	u	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KASIGLUK	N	N	Y	sw	c	u	Yes	Kasigluk has some backup capacity; primary power is provided by AVEC in Nunapitchuk.
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KIANA	N	N	Y	an	c	u	Yes	

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KALTAG	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KASIGLUK	N	N	Y	sw	c	u	1	Yes	Kasigluk has some backup capacity; primary power is provided by AVEC in Nunapitchuk.
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KIANA	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KIVALINA	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	KOYUK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	LOWER KALSKAG	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	MARSHALL	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	MEKORYUK	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	MINTO	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	MOUNTAIN VILLAGE	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NEW STUYAHOK	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NIGHTMUTE	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NOATAK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NOORVIK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NULATO	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	NUNAPITCHUK	N	N	Y	sw	c	u	1	Yes	AVEC in Nunapitchuk provides electricity to Kasigluk.O101
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	OLD HARBOR	N	N	Y	sc	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	PILOT STATION	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	PITKA'S POINT	N	N	Y	y	c	u	1	Yes	Pitkas Point provided power by AVEC in St. Mary's.
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	QUINHAGAK	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	RUSSIAN MISSION	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SAINT MARY'S	N	N	Y	y	c	u	1	Yes	AVEC in Saint Mary's provides power to Andreafsky and Pitkas Point.O121+O142
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SAINT MICHAEL	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SAVOONGA	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SCAMMON BAY	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SELAWIK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SHAGELUK	N	N	Y	y	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SHAKTOOLIK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SHISHMAREF	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	SHUNGNAK	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	STEBBINS	N	N	Y	an	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	TOGIAK	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	TOKSOOK BAY	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	TUNUNAK	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	UPPER KALSKAG	N	N	Y	sw	c	u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	WALES	N	N	Y	an	c	u	1	Yes	Wales has some generation capacity from wind turbines.

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
	ALUTIIQ POWER COMPANY	KARLUK	N	N	N	sc			1	Yes	
AEC	ANDREANOF ELECTRIC CORPORATION	ATKA	N	N	Y	sw			1	Yes	
	ALUTIIQ POWER COMPANY	KARLUK	N	N	N	sc			1	Yes	
AEC	ANDREANOF ELECTRIC CORPORATION	ATKA	N	N	Y	sw			1	Yes	
ALPC	ANIAK LIGHT AND POWER COMPANY, INC.	ANIAK	Y	Y	Y	sw	l	u	1	Yes	
AJU	ATMAUTLUAK JOINT UTILITIES	ATMAUTLUAK	N	N	Y	sw			1	Yes	
AURORA	AURORA ENERGY, LLC	WHOLESALE	Y	Y	Y	y	i		0	No	Information from Aurora Energy LLC: capacity, sales, generation and fuel usage.
BUECI	BARROW UTILITIES AND ELECTRIC COOPERATIVE, INC.	BARROW	N	N	Y	an	c	j	0	No	
BBL	BBL HYDRO, INC.	WHOLESALE	Y	Y	Y	se			0	No	
BEAVER	BEAVER VILLAGE ELECTRICAL UTILITY	BEAVER	N	N	Y	y			1	Yes	
BUCI	BETHEL UTILITIES CORPORATION, INC.	BETHEL	Y	Y	Y	sw	i	u	1	Yes	Bethel Utilities provides power to Napakiak.
BUCI	BETHEL UTILITIES CORPORATION, INC.	OSCARVILLE	Y	Y	Y	sw	i	u	1	Yes	
BUCKLAND	BUCKLAND, CITY OF	BUCKLAND	N	N	Y	an			1	Yes	
CENTRAL	CENTRAL ELECTRIC, INC.	CENTRAL	Y	Y	Y	y			1	Yes	
CENTRAL	CENTRAL ELECTRIC, INC.	CIRCLE HOT SPRINGS (CENTRAL)	Y	Y	Y	y			1	Yes	
	CHALKYITSIK VILLAGE ENERGY SYSTEM	CHALKYITSIK	N	N	N	y			1	Yes	
	CHENEGA BAY IRA VILLAGE COUNCIL	CHENEGA BAY	N	N	N	sc			1	Yes	
CLPU	CHIGNIK LAGOON POWER UTILITY	CHIGNIK LAGOON	N	N	Y	sw			1	Yes	
CLEU	CHIGNIK LAKE ELECTRIC UTILITY, INC.	CHIGNIK LAKE	Y	Y	Y	sw			1	Yes	
CHIGNIK	CHIGNIK, CITY OF	CHIGNIK	N	N	Y	sw		u	1	Yes	
CEI	CHITINA ELECTRIC, INC.	CHITINA	N	N	Y	sc	nc	u	1	Yes	Chitina Electric Co. reported directly: capacity, sales and fuel usage. Also reported that they have a 55kw hyro generator that is currently offline but they are looking into repairing it.
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	ANCHORAGE, MUNICIPALITY OF	Y	Y	Y	sc	c	u	0	No	Information from CEA directly: breakdown of sales, purchases and generation. Values were the same as reported by EIA.
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	COOPER LANDING	Y	Y	Y	sc	c	u	0	No	
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	HOPE	Y	Y	Y	sc	c	u	0	No	
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	MOOSE PASS	Y	Y	Y	sc	c	u	0	No	
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	TYONEK	Y	Y	Y	sc	c	u	0	No	
CHUGACH	CHUGACH ELECTRIC ASSOCIATION, INC.	WHITTIER	Y	Y	Y	sc	c	u	0	No	
CIRCLE	CIRCLE ELECTRIC D/B/A RICHARD HUTCHINSON	CIRCLE	N	N	Y	y			1	Yes	Circle Utilities Inc. reported directly: capacity, sales and fuel usage.
CLARKS POINT	CLARKS POINT, CITY OF D/B/A CLARKS POINT ELECTRIC UTILITY	CLARK'S POINT	N	N	Y	sw			0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	COPPER CENTER	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	GAKONA	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	GLENNALLEN	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	GULKANA	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	KENNY LAKE	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	NELCHINA	N	N	Y	sc	c	u	0	No	
CVEA	COPPER VALLEY ELECTRIC ASSOCIATION, INC	VALDEZ	N	N	Y	sc	c	u	0	No	
CECI	CORDOVA ELECTRIC COOPERATIVE, INC.	CORDOVA	N	N	Y	sc	c	u	1	Yes	
CECI	CORDOVA ELECTRIC COOPERATIVE, INC.	EYAK	N	N	Y	sc	c	u	1	Yes	
DIOMEDE	DIOMEDE, CITY OF	DIOMEDE	N	N	Y	an			1	Yes	
EL&P	EGEGIK LIGHT & POWER COMPANY	EGEGIK	Y	Y	Y	sw			1	Yes	

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
	EKWOK, CITY OF	EKWOK	N	N	N	sw			1	Yes	
	ELFIN COVE ELECTRIC UTILITY	ELFIN COVE	N	N	N	se			1	Yes	
FALSE PASS	FALSE PASS, CITY OF	FALSE PASS	N	N	Y	sw	m	u	1	Yes	City of False Pass reported directly: capacity, sales and fuel usage.
G&K	G & K, INC.	COLD BAY	Y	Y	Y	sw			1	Yes	
GALENA	GALENA, CITY OF	GALENA	N	N	Y	y	m	u	1	Yes	
GLH	GOAT LAKE HYDRO, INC.	WHOLESALE	Y	Y	Y	se			0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	ANDERSON	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	CANTWELL	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	COLLEGE	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	DELTA JUNCTION	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	FAIRBANKS	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	FORT GREELY	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	FORT WAINWRIGHT	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	FOX	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	HEALY	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	MCKINLEY PARK	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	NENANA	Y	Y	Y	y	c	u	0	No	
GVEA	GOLDEN VALLEY ELECTRIC ASSOCIATION, INC.	NORTH POLE	Y	Y	Y	y	c	u	0	No	
GOLOVIN	GOLOVIN, CITY OF	GOLOVIN	N	N	Y	an	m	u	1	Yes	City of Golovin reported directly: sales and fuel usage. Capacity from EIA figures where available.
GUSTAVUS	GUSTAVUS ELECTRIC COMPANY, INC.	GUSTAVUS	Y	Y	Y	se			1	Yes	
GZUC	GWITCHYAA ZHEE UTILITY COMPANY	FORT YUKON	Y	Y	Y	y	i	u	1	Yes	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	ANCHOR POINT	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	CLAM GULCH	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	HALIBUT COVE	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	HOMER	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	KACHEMAK	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	KALIFORNSKY	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	KASILOF	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	KENAI	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	NANWALEK	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	NIKISKI	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	NINILCHIK	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	PORT GRAHAM	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	SALAMATOF	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	SELDOVIA	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	SOLDOTNA	Y	Y	Y	sc	c	u	0	No	
HEA	HOMER ELECTRIC ASSOCIATION, INC.	STERLING	Y	Y	Y	sc	c	u	0	No	
HPLC	HUGHES POWER & LIGHT COMPANY	HUGHES	N	N	Y	y			1	Yes	
	IGIUGIG ELECTRIC COMPANY	IGIUGIG	N	N	N	sw		u	1	Yes	
INN	INN ELECTRIC COOPERATIVE, INC.	ILIAMNA	N	N	Y	sw	c	u	1	Yes	
INN	INN ELECTRIC COOPERATIVE, INC.	NEWHALEN	N	N	Y	sw	c	u	1	Yes	
INN	INN ELECTRIC COOPERATIVE, INC.	NONDALTON	N	N	Y	sw	c	u	1	Yes	
IEC	IPNATCHIAQ ELECTRIC COMPANY	DEERING	N	N	Y	an		u	1	Yes	
KAKE TRIBAL	KAKE TRIBAL CORPORATION	PELICAN	Y	Y	Y	se	i	u	0	No	
KETCHIKAN	KETCHIKAN, CITY OF	KETCHIKAN	N	N	Y	se	m	u	0	No	
KETCHIKAN	KETCHIKAN, CITY OF	SAXMAN	N	N	Y	se	m	u	0	No	
KETCHIKAN	KETCHIKAN, CITY OF	WARD COVE	N	N	Y	se	m	u	0	No	
KING COVE	KING COVE, CITY OF	KING COVE	N	N	Y	sw	m	u	1	Yes	
KIPNUK	KIPNUK LIGHT PLANT	KIPNUK	Y	Y	Y	sw			1	Yes	
KOBUK	KOBUK, CITY OF	KOBUK	N	N	Y	an			1	Yes	Kobuk recieves power from AVEC in Shungnak
KEA	KODIAK ELECTRIC ASSOCIATION, INC.	CHINIAK	Y	Y	Y	sc	c	j	0	No	

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
KEA	KODIAK ELECTRIC ASSOCIATION, INC.	KODIAK	Y	Y	Y	sc	c	j	0	No	
KEA	KODIAK ELECTRIC ASSOCIATION, INC.	PORT LIONS	Y	Y	Y	sc	c	j	0	No	
KEA	KODIAK ELECTRIC ASSOCIATION, INC.	PORT MOLLER	Y	Y	Y	sc	c	j	0	No	
KEA	KODIAK ELECTRIC ASSOCIATION, INC.	WOMENS BAY	Y	Y	Y	sc	c	j	0	No	
KODIAK	KODIAK, CITY OF	KODIAK ISLAND BOROUGH	N	N	Y	sc	c	j	0	No	
KOKHANOK	KOKHANOK ELECTRIC UTILITY	KOKHANOK	N	N	Y	sw		u	1	Yes	
KOLIGANEK	KOLIGANEK VILLAGE COUNCIL ELECTRIC	KOLIGANEK	N	N	Y	sw			1	Yes	
KOTLIK	KOTLIK, CITY OF	KOTLIK	N	N	Y	y		u	1	Yes	
KOTZEBUE	KOTZEBUE ELECTRIC ASSOCIATION, INC.	KOTZEBUE	N	N	Y	an	c	u	1	Yes	
	KOYUKUK, CITY OF	KOYUKUK	N	N	N	y			1	Yes	
KK	KUIGGLUUM KALLUGVIA COOPERATIVE, INC.	KWETHLUK	N	N	Y	sw			1	Yes	
KWIG	KWIG POWER COMPANY	KWIGILLINGOK	N	N	Y	sw		u	1	Yes	
LARSEN BAY	LARSEN BAY ELECTRIC	LARSEN BAY	N	N	Y	sc		u	1	Yes	
LECI	LEVELOCK ELECTRIC COOPERATIVE, INC.	LEVELOCK	N	N	Y	sw			1	Yes	
LVTC	LIME VILLAGE TRADITIONAL COUNCIL	LIME VILLAGE	Y	Y	Y	sw			1	Yes	
MANLEY	MANLEY UTILITY COMPANY, INC.	MANLEY HOT SPRINGS	Y	Y	Y	y			1	Yes	
MPC	MANOKOTAK POWER COMPANY	MANOKOTAK	N	N	Y	sw		u	1	Yes	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	BIG LAKE	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	CHICKALOON	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	CHUGIAK	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	EAGLE RIVER	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	EKLUTNA	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	HOUSTON	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	KNIK-FAIRVIEW	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	PALMER	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	SUTTON-ALPINE	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	TALKEETNA	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	UNALAKLEET	Y	Y	Y	an	c	u	1	Yes	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	WASILLA	Y	Y	Y	sc	c	u	0	No	
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	WILLOW	Y	Y	Y	sc	c	u	0	No	
MLPC	MCGRATH LIGHT & POWER CO.	MCGRATH	Y	Y	Y	sw	i	u	1	Yes	
MP&L	METLAKATLA POWER & LIGHT	Metlakatla									MP&L reported directly: capacity, generation, sales and fuel usages.
MKEC	MIDDLE KUSKOKWIM ELECTRIC COOPERATIVE., INC.	CHUATHBALUK	Y	Y	Y	sw			1	Yes	
MKEC	MIDDLE KUSKOKWIM ELECTRIC COOPERATIVE., INC.	CROOKED CREEK	Y	Y	Y	sw			1	Yes	
MKEC	MIDDLE KUSKOKWIM ELECTRIC COOPERATIVE., INC.	RED DEVIL	Y	Y	Y	sw			1	Yes	
MKEC	MIDDLE KUSKOKWIM ELECTRIC COOPERATIVE., INC.	SLEETMUTE	Y	Y	Y	sw			1	Yes	
MKEC	MIDDLE KUSKOKWIM ELECTRIC COOPERATIVE., INC.	STONY RIVER	Y	Y	Y	sw			1	Yes	
ML&P	MUNICIPAL LIGHT & POWER DEPARTMENT D/B/A MUNICIPALITY OF ANCHORAGE	ANCHORAGE, MUNICIPALITY OF	Y	Y	Y	sc	m	u	0	No	
NEA	NAKNEK ELECTRIC ASSOCIATION, INC.	KING SALMON	N	N	Y	sw	c	u	1	Yes	
NEA	NAKNEK ELECTRIC ASSOCIATION, INC.	NAKNEK	N	N	Y	sw	c	u	1	Yes	
NEA	NAKNEK ELECTRIC ASSOCIATION, INC.	SOUTH NAKNEK	N	N	Y	sw	c	u	1	Yes	
NIPC	NAPAKIAK IRCINAQ POWER COMPANY	NAPAKIAK	Y	Y	Y	sw			1	Yes	Power to Napakiak provided by Bethel Utilities.

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
NAPASKIAK	NAPASKIAK UTILITY D/B/A NAPASKIAK, CITY OF	NAPASKIAK	N	N	Y	sw			1	Yes	
NATERKAQ	NATERKAQ LIGHT PLANT D/B/A CHEFERNOK, CITY OF	CHEFORNAK	N	N	Y	sw			1	Yes	
PERRYVILLE	NATIVE VILLAGE OF PERRYVILLE	PERRYVILLE	N	N	Y	sw		u	1	Yes	
NLECI	NELSON LAGOON ELECTRIC COOPERATIVE, INC.	NELSON LAGOON	N	N	Y	sw			1	Yes	
NLP	NIKOLAI LIGHT & POWER D/B/A NIKOLAI, CITY OF	NIKOLAI	N	N	Y	sw			1	Yes	
NOME	NOME JOINT UTILITY SYSTEMS	NOME	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	ANAKTUVUK PASS	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	ATQASUK	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	KAKTOVIK	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	NUIQSUT	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	POINT HOPE	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	POINT LAY	N	N	Y	an	m	u	1	Yes	
NSPL	NORTH SLOPE BOROUGH POWER & LIGHT SYSTEM D/B/A NORTH SLOPE BOROUGH	WAINWRIGHT	N	N	Y	an	m	u	1	Yes	
NETCI	NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.	ALEKNAGIK	N	N	Y	sw	c	u	1	Yes	
NETCI	NUSHAGAK ELECTRIC AND TELEPHONE COOPERATIVE, INC.	DILLINGHAM	N	N	Y	sw	c	u	1	Yes	
OUZINKIE	OUZINKIE, CITY OF	OUZINKIE	N	N	Y	sc		u	1	Yes	
PAXSON	PAXSON LODGE, INC.	PAXSON	N	N	Y	y	i		0	No	
PEDRO BAY	PEDRO BAY VILLAGE COUNCIL ELECTRIC UTILITY	PEDRO BAY	N	N	Y	sw	nc	u	1	Yes	Information from Pedro Bay Village Council: capacity, sales, generation and fuel use.
PETERSBURG	PETERSBURG, CITY OF	PETERSBURG	N	N	Y	se	m	u	0	No	
PILOT	PILOT POINT, CITY OF	PILOT POINT	N	N	Y	sw			1	Yes	
	PLATINUM, CITY OF	PLATINUM	N	N	N	sw			1	Yes	
PORT HEIDEN	PORT HEIDEN, CITY OF	PORT HEIDEN	N	N	Y	sw			1	Yes	
PPC	PUVURNAQ POWER COMPANY	KONGIGANAK	N	N	Y	sw			1	Yes	
RUBY	RUBY, CITY OF	RUBY	N	N	Y	y			1	Yes	
SEMLOH	SEMLOH SUPPLY D/B/A WELDON S. HOLMES	LAKE MINCHUMINA	N	N	Y	y			0	No	
SEWARD	SEWARD, CITY OF	SEWARD	N	N	Y	sc	m	u	0	No	
SHELDON	SHELDON POINT ELECTRIC COMPANY D/B/A SHELDON POINT, CITY OF	NUNAM IQUA (SHELDON POINT)	N	N	Y	y	m	u	1	Yes	Sheldon Point Electric Co. reported directly: capacity, sales and fuel usage.
SITKA	SITKA, CITY AND BOROUGH OF	SITKA, CITY & BOROUGH OF	N	N	Y	se	m	u	0	No	
ST. GEORGE	ST. GEORGE, CITY OF	SAINT GEORGE	N	N	Y	sw			1	Yes	
ST. PAUL	ST. PAUL, CITY OF	SAINT PAUL	N	N	Y	sw			1	Yes	
	STEVENS VILLAGE ENERGY SYSTEMS	STEVENS VILLAGE	N	N	N	y			0	No	
TAKOTNA	TAKOTNA COMMUNITY ASSOCIATION, INC.	TAKOTNA	N	N	Y	sw			1	Yes	
TECI	TANALIAN ELECTRIC COOPERATIVE, INC.	PORT ALSWORTH	N	N	Y	sw			1	Yes	
TPC	TANANA POWER COMPANY, INC.	TANANA	Y	Y	Y	y			1	Yes	
TATITLEK	TATITLEK ELECTRIC UTILITY D/B/A TATITLEK VILLAGE IRA COUNCIL	TATITLEK	N	N	Y	sc			0	No	
TNSG	TDX NORTH SLOPE GENERATING, INC.	DEADHORSE	Y	Y	Y	an	i		0	No	TDX, formerly Arctic Utilities, reported directly: capacity, sales and fuel usage.
TDX	TDX SAND POINT GENERATING, INC.	SAND POINT	Y	Y	Y	sw	i		1	Yes	
TELLER	TELLER POWER COMPANY, INC.	TELLER	Y	Y	Y	an			1	Yes	

ACRONYM	UTILITY	COMMUNITY SERVED	Services Regulated	Rates Regulated	Certificated	Region	Owner	Joint/Utility	PCE (1=yes)	PCE	NOTE
TENAKEE	TENAKEE SPRINGS ELECTRIC UTILITY DEPARTMENT D/B/A TENAKEE SPRINGS, CITY OF	TENAKEE SPRINGS	N	N	Y	se	m	u	1	Yes	
TBPA	THOMAS BAY POWER AUTHORITY	WHOLESALE	N	N	Y	se			0	No	
THORNE BAY	THORNE BAY, CITY OF	THORNE BAY	N	N	Y	se	m	u	1	Yes	
THREA	TLINGIT-HAIDA REGIONAL ELECTRICAL AUTHORITY	ANGOON	N	N	Y	se		u	1	Yes	
T-HREA	TLINGIT-HAIDA REGIONAL ELECTRICAL AUTHORITY	HAINES	N	N	Y	se		u	1	Yes	
T-HREA	TLINGIT-HAIDA REGIONAL ELECTRICAL AUTHORITY	HOONAH	N	N	Y	se		u	1	Yes	
T-HREA	TLINGIT-HAIDA REGIONAL ELECTRICAL AUTHORITY	KAKE	N	N	Y	se		u	1	Yes	
T-HREA	TLINGIT-HAIDA REGIONAL ELECTRICAL AUTHORITY	KLUKWAN	N	N	Y	se		u	1	Yes	
TULUKSAK	TULUKSAK TRADTIONAL POWER UTILITY	TULUKSAK	N	N	Y	sw			1	Yes	
TCSA	TUNTUTULIAK COMMUNITY SERVICES ASSOCIATION, INC.	TUNTUTULIAK	N	N	Y	sw			1	Yes	
	TWIN HILLS VILLAGE COUNCIL	TWIN HILLS	N	N	N	sw			1	Yes	
UMNAK	UMNAK POWER COMPANY D/B/A THE NATIVE VILLAGE OF NIKOLSKI	NIKOLSKI	N	N	Y	sw			1	Yes	
UNALASKA	UNALASKA, CITY OF	UNALASKA, (DUTCH HARBOR)	N	N	Y	sw	m	u	1	Yes	
UPC	UNGUSRAQ POWER COMPANY	NEWTOK	N	N	Y	sw			1	Yes	
VENETIE	VILLAGE OF VENETIE	VENETIE	N	N	Y	y			1	Yes	
WEISNER	WEISNER TRADING COMPANY	RAMPART	N	N	Y	y			0	No	
WHITE MNT	WHITE MOUNTAIN, CITY OF	WHITE MOUNTAIN	N	N	Y	an		u	1	Yes	
WRANGELL	WRANGELL, CITY OF	WRANGELL	N	N	Y	se	m	u	1	Yes	
YAKUTAT	YAKUTAT, CITY OF	YAKUTAT, BOROUGH	N	N	Y	se		u	1	Yes	
YAKUTAT	YAKUTAT, CITY OF	YAKUTAT, CITY	N	N	Y	se		u	1	Yes	
AVEC	ALASKA VILLAGE ELECTRIC COOPERATIVE, INC.	*Multiple*									AVEC reported information for all communities: capacity, generation, sales, revenue, customers and fuel usage. Main source for information.
APC	ALASKA POWER AND TELEPHONE COMPANY	*Multiple*									APC reported some information directly: capacities and total disposition for utility.
MEA	MATANUSKA ELECTRIC ASSOCIATION, INC.	Multiple									MEA purchases all power sold to consumers, does not have generating capacity in SC region.

Notes:

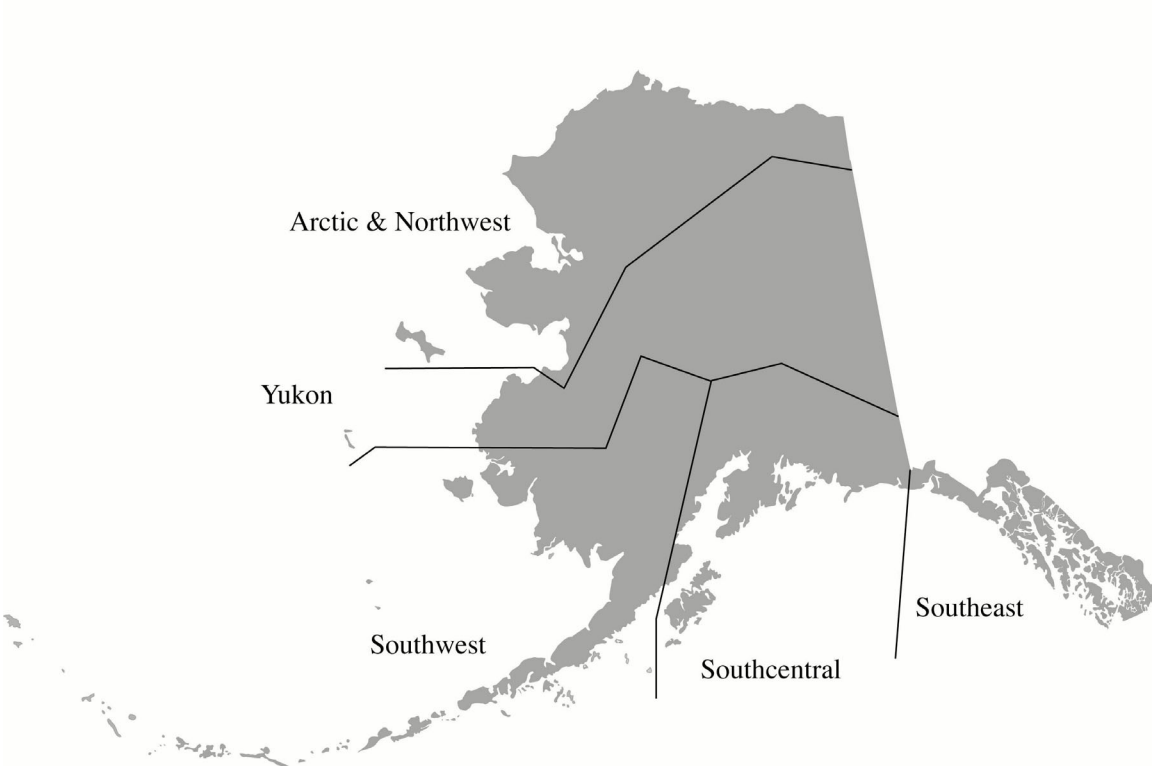
	Owner type	Class of Ownership, if Regulated	C = Cooperative, F = Federal, I = Investor Owned, M = Municipal, S = State, O = Other,
	Joint/Utility	Class of Ownership	J= jointly owned, U= utility owned

Sources: Regulatory Commission of Alaska and ISER.

ALASKA ELECTRIC POWER STATISTICS

Appendix B.

REGIONAL MAP



ALASKA ELECTRIC POWER STATISTICS

Appendix C.

HYDROELECTRIC FACILITIES

The reporting of installed capacity of the state hydroelectric facilities is complicated by the ownership structure of the larger units, since they have changed over time and the reporting to different entities has not always been consistent.

In 2001 4 hydroelectric facilities owned by the Alaska Energy Authority (AEA) of the Alaska Industrial Development and Export Authority (AIDEA) provided power to communities in Southeast and South Central Alaska. These facilities are also commonly known as the Four Dam Pool and are currently owned by the Four Dam Pool Power Agency (FDPPA).

Facility Name	Communities Served
Swan Lake	Ketchikan
Tyee	Wrangell and Petersburg
Terror Lake	Kodiak
Solomon Gulch	Valdez and Glennallen

In 2002 these facilities were sold by AIDEA and purchased by the utilities that had purchased their output.

Also in Southeast Alaska, the **Snettisham** hydroelectric facility, providing power to Juneau, was owned by the federal government until the AEA took it over. It may soon be purchased by the Juneau utility.

In Southcentral Alaska the largest hydroelectric facility is at **Bradley Lake**, owned by the AEA. The power from Bradley Lake is shared among the Railbelt utilities via the intertie according to a formal sharing agreement.

Utility	Share of Bradley Lake
Chugach Electric Association	30.4%
Anchorage Municipal Light and Power	25.9%
Homer Electric Association	12.0%
Matanuska Electric Association	13.8%
Seward Electric Utility	01.0%
Golden Valley Electric Association	16.9%

The **Eklutna** hydroelectric facility was owned by the federal government until 1994 when it was taken over by Anchorage Municipal Light & Power. The **Cooper Landing** hydroelectric facility is owned and operated by Chugach Electric Association.

A number of smaller hydroelectric projects, owned by individual utilities, are located across the state, mostly in Southeast Alaska. There are also some very small private facilities mostly owned by fish processors.

A summary of the larger facilities serving utilities follows:

Facility	Installed Capacity (Mw)
Bradley Lake	114
Snettisham	78.2
Eklutna	30
Swan Lake	22.4
Terror Lake	20
Tyee	20
Cooper Lake	16.7
Solomon Gulch	12
Annex Creek	3.6
Beaver Falls	5.4
Black Bear Lake	4.5
Blue Lake	6
Chester Lake	1
Goat Lake	4
Gold Creek	1.6
Green Lake	18.6
Humpback Creek	1.3
Ketchikan	4.2
Larson Bay	1
Pelican	.7
Petersburg	2
Purple Lake	3.9
Salmon Creek	6.7
Silvis	2.1
Skagway	1

There are several owners of multiple facilities, such as the Four Dam Pool Power Agency (FDDPA), Alaska Energy Authority (AEA) and the Alaska Industrial Development and Export Authority.

ALASKA ELECTRIC POWER STATISTICS

Appendix D.

THE RAILBELT

The Alaska Railbelt is generally defined to include the cities of Anchorage and Fairbanks as well as the communities adjacent to the Alaska Railroad connecting them and the cities on the Kenai Peninsula. There are seven interconnected utilities serving the Railbelt, with a combined installed capacity of more than 65 percent of the state total, producing about 80 percent of the total electricity generated by Alaska utilities. Six of the utilities are located in the South-Central region while one, Golden Valley Electric Association, is located in the Yukon region. The seven included entities are as follows:

- Chugach Electric Association (CEA)
- Anchorage Municipality Light and Power (ML&P)
- Homer Electric Association (HEA)
- Matanuska Electric Association (MEA)
- Alaska Electric Generation and Transmission (AEG&T)
- Seward Electric Systems (SES)
- Golden Valley Electric Association (GVEA)

CEA, the largest electric utility in the state, is responsible for close to 30 percent of the electric power generation in the state. Over 500 mega-watts (MW) installed capacity come from gas driven generators and hydroelectric power at Cooper Lake. CEA purchases power from several sources, mainly Eklutna Lake, Bradley Lake, and AEG&T. The Bradley Lake purchase includes the shares for MEA and SES as well as their own. Of their total energy accounted for, nearly 50 percent is sold for resale to other Railbelt utilities. Included in this is electricity delivered to GVEA in Fairbanks through the state Intertie system.

ML&P is responsible for producing much of its own electricity, nearly eighty-five percent. The utility gets a share of the Bradley Lake output, operates and transmits the power from the Eklutna Lake hydro facility and has several generating facilities of its own. Some power is purchased from CEA as needed.

HEA has a small amount of its own generation but purchases most of its power to meet customer demands. They purchase their share of the Bradley Lake output directly as well as operating and maintaining the facility under contract. The remainder of their purchased power comes through AEG&T, which is owned with MEA.

MEA comprises the second half of the AEG&T cooperative. They do not generate power but purchase power to provide customers with service. Their purchases

come from AEG&T, CEA and their share of the Eklutna output. CEA purchases MEA's share of the Bradley Lake output then sells it back to them for distribution.

AEG&T is a cooperative between HEA and MEA, responsible for delivering power to the two. The cooperative purchases power from CEA in order to meet the necessary demand of the two utilities. AEG&T owns some generation equipment in Soldotna, which is operated by HEA.

SES has its own backup and standby generation facility but is a primary customer of CEA. CEA purchases SES's share of Bradley Lake output and then sells it back to them along with any other power they require. SES is dependent on CEA for all its electric power requirements.

GVEA provides electric power in and around the Fairbanks area. The utility generates approximately seventy (70) percent of its total sales. The remainder of the demand is met through purchases from Aurora Energy (a private company), GVEA's share of Bradley Lake, ML&P and CEA. The last three purchases are transmitted through the state Intertie system.

ALASKA ELECTRIC POWER STATISTICS

Appendix E.

DATA SOURCES FOR ELECTRIC POWER STATISTICS

The primary data source for the electric power statistics is the Energy Information Administration (EIA) of the United States Department of Energy. Every utility and industrial (including military) electrical generating facility in the state with a capacity greater than 1 megawatt is required to report their operating characteristics to the EIA annually, and in some instances, monthly. This information is compiled by the EIA and is available for every generating facility in the state from their website at (http://www.eia.doe.gov/). We obtained data for the years between 1996 and 2001. The forms of interest to us are the EIA 860, 861 and 906. These are forms reporting capacity, generation, sales and revenues.

The use of the EIA database was a departure from previous *Alaska Electric Power Statistics* reports for which the primary data source was a questionnaire sent to each Alaska utility and industrial facility. There were several reasons we chose to use the federal database for this report. First, most utilities and industrial facilities are required by law to report to the federal government each year on their activities using the EIA forms. Since this information for each utility then becomes available on the EIA website, it is redundant to collect the same information through a second questionnaire. It is much less expensive to collect the data from the EIA website than to collect it through a mailout survey. Past experience has been that it has required a very large follow-up effort to get a high response rate from the mailout questionnaire. Furthermore using the EIA data reduces the reporting burden placed on the utilities and industrial producers of electricity. Finally, respondents are required by law to report to the EIA and this should make the response rate high. In addition, getting generating characteristics from a single source helps to insure consistency between federal and state reports.

In retrospect the use of the EIA data proved to be a good decision, although it was not without some problems. First, not all the information reported in previous versions of Alaska Electric Power Statistics was collected via the EIA forms. Second, not all Alaska generating facilities reported as required by law. Third, the smallest utilities, those with installed capacity less than 1 megawatt, were not included in the database. Fourth, reconciling the information across the different forms was sometimes difficult. And finally, the federal data was available only with a considerable time delay.

The most serious problem was missing utilities and other generating units and incomplete data on reporting units. To fill in the missing data we created a comprehensive list of electric utilities using a combination of the list of utilities from the 1996 *Alaska Electric Power Statistics* working papers and the master utility list from the Regulatory Commission of Alaska. To fill in missing data we used the annual Power

Cost Equalization Reports, Alaska Village Electric Cooperative (AVEC reports), and direct mail and phone contact to utilities and large industrial producers of electricity.

Inevitably the use of multiple data sources introduced some inconsistencies in reporting, but we believe these are inconsequential. The combination of these data sources allowed us to collect information for almost all the utilities and important industrial generating facilities in the state without incurring the considerable cost of conducting a complete census of all producers. A few of the smallest utilities that were not either in the EIA database or the Power Cost Equalization database never provided information for this report although all were contacted by mail and phone.

The 2001 Power Cost Equalization report provided us with data on the generation and sales (residential and commercial) of all utilities participating in the Power Cost Equalization program, including a breakdown by community for those utilities that operate in multiple communities, such as AVEC and Alaska Power Company. (The EIA data for these utilities was reported only as a total across all communities, and we used this as control totals.)

For AVEC, we contacted the utility directly to obtain installed capacity for each plant as well as net generation, fuel usage and costs and sale/revenues/customers information. In this case we were able to publish information taken directly from the utility reflecting statistics from each of its service communities.

ALASKA ELECTRIC POWER STATISTICS

Appendix F.

FEDERAL FORMS

We made use of 3 forms that generators of electric power in Alaska file with the US Dept of Energy, Energy Information Administration:

EIA-860 Annual Electric Generator Report, completed by all electric generating plants with nameplate rating of 1 megawatt or more, contains information on capacity and types of fuel used.

EIA-861 Annual Electric Power Industry Report, completed by electric industry participants including: electric utilities, wholesale power marketers, energy service providers, and electric power producers, contains information on peak, generation, sales, and revenues.

EIA 906 Power Plant Report, completed by a monthly sample of electric power plants and annually by electric power plants that do not report monthly, by state and by energy source, contains information on generation by energy source.

(An additional form was identified but never fully investigated to determine what information might be available not covered in the 3 EIA forms. This was FERC Form 423--Cost and Quality of Fuels for Electric Plants Database).

U.S. Department of Energy Energy Information Administration Form EIA-860 (2002)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

GENERAL INFORMATION

PURPOSE

Form EIA-860 collects data on the status of existing electric generating plants and associated equipment in the United States, and those scheduled for initial commercial operation within 5 years of the filing of this report. The data from this form appear in the EIA publications, *Inventory of Electric Utility Power Plants in the United States, Electric Power Annual,* and the *Annual Energy Review.* The data collected on this form are used to monitor the current status and trends of the electric power industry and to evaluate the future of the industry.

REQUIRED RESPONDENTS

The Form EIA-860 is to be completed for all electric generating plants, which have or will have a nameplate rating of 1 megawatt (1000 kW) or more, and are operating or plan to be operating within 5 years of the year of this form. The operator (or planned operator) of jointly-owned plants should be the only respondent for those plants.

SANCTIONS

The timely submission of Form EIA-860 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. **Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

METHODS OF FILING RESPONSE

Secure methods of electronically transmitting survey information are the web-based form option (Option 1). With this option, EIA uses security protocols to protect the information against unauthorized access during transmission. Facsimile and e-mail transmissions (including files attached to e-mail messages) travel over ordinary telephone lines and are not considered secure electronic methods of transmitting survey data. Option 1 is the preferred method for filing.

Option 1: Submit your data electronically over the Internet using a web-based form. Log on to www.eia.doe.gov/electricity/edc for system validation instructions.

Option 2: FAX your Form EIA-860 to the following FAX number:
(202) 287-1960

Option 3: Mail your Form EIA-860 to the EIA at the following address:

U.S. Department of Energy
Energy Information Administration, EI-53
Mail Station: BG-076 (Form EIA-860)
1000 Independence Avenue, S.W.
Washington, D.C. 20077-5651

Note: If you choose reporting Option 1 (Internet) or Option 2 (FAX), you are not required to submit your form by mail.
Retain a completed copy of this form for your files.

Respondents who designate their regional electric reliability council(s) to file on their behalf must submit Form EIA-860 data to their regional council(s) in the format prescribed by their regional council(s). Respondents who designate an agent or agents to file on their behalf should return Schedule 6, "Authorization for Reporting," and a copy of the fully completed Form EIA-860 or the Form EIA-411, Schedule 3, "Generator Information," to the EIA in the enclosed envelope or in an envelope using the mailing address above. The completed authorization sheet should include the name(s) of the designated agent(s), name(s) of contact person(s) at the designated agent(s), their corresponding telephone number(s), the name of the respondent (electric generating company) official authorizing the agent(s) to file, the official's title, address, telephone number, signature, and the date the form is signed.

CONTACT

For questions regarding the Form EIA-860 or for additional information contact:

Regulated Companies: Kenneth McClevey	Unregulated Companies: Betty Williams
Telephone Number: (202) 287-1732	Telephone Number: (202) 287-1927
FAX Number: (202) 287-1960	FAX Number: (202) 287-1962
Email: kenneth.mcclevey@eia.doe.gov	Email: betty.williams@eia.doe.gov

CONFIDENTIALITY

The EIA's provisions for confidentiality of the data elements are as follows:

1. The EIA is required to provide company-specific data to the Department of Justice, or to any other Federal Agency when requested for official use, which may include enforcement of Federal law. The information may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress; the General Accounting Office; or to Congressional agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order.

2. The information will be kept confidential and not disclosed to the public to the extent that it satisfies the criteria for exemption in the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE regulations 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

Upon receipt of a request for this information under the FOIA, the DOE shall make a final determination whether the information is exempt from disclosure in accordance with the procedures and criteria provided in the regulations. Respondents may be asked for additional information on how release of the designated confidential information would be likely to cause substantial competitive harm. The respondents are encouraged to provide a letter with their submission of data that explains (on an element-by-element basis) the reasons why the confidential information would be likely to cause the respondent substantial competitive harm if released to the public. The letter would be kept on file to respond to requests for the information under the FOIA. A new justification is not needed each time information is submitted on an EIA form if the justification has not changed.

The information contained on Schedule 2, Latitude and Longitude; and Schedule 3, Part B, Tested Heat Rate; will be kept confidential and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE Regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C., §1905. **The data reported on the Form EIA-860 not specifically stated in this section as confidential are not considered to be confidential.**

INSTRUCTIONS

Submit the completed Form EIA-860 directly to the EIA annually, on or before February 15 (for 2003 reporting year, March 28). Respondents who designate an agent or agents to file on their behalf should complete Schedule 6 and submit it directly to the EIA on or before January 15 (for 2003 reporting year, March 17)of the reporting calendar year. The submittal date of the completed Form EIA-860 by these respondents is determined by the agent(s) and takes precedence provided that date is prior to February 15 of the reporting calendar year.

1. Verify all preprinted information, including company and plant name, and plant and generator identification number. If incorrect, revise the incorrect entry and provide the correct information. State codes are two-letter U.S. Postal Service abbreviation. Provide any missing information. Typed or legible handwritten entries are acceptable. Allow the original entry to remain readable. See more specific instructions for correcting data in Schedule 2, "Power Plant Site Information," and Schedule 3, "Generator Information."

2. Check all data for consistency with the same or related data that appear in more than one schedule of this or other forms or reports submitted to EIA. Explain any inconsistencies under Schedule 5, "Footnotes."

3. For planned power plants or generators, use planning data to complete the form.

4. Report in whole numbers (i.e., no decimal points), except where explicitly instructed to report otherwise.

5. Indicate negative amounts by using a minus sign before the number.

6. Report date information as a two-digit month and four-digit year, e.g., "11 - 1980."

7. Furnish the requested information to reflect the status of your current or planned operations as of the beginning of the reporting calendar year. **If the company no longer operates a specific power plant, place an asterisk (*) before the power plant's name in Schedule 2, and report the current operator under Schedule 5, "Footnotes." Do not complete the form for that power plant.**

8. To request additional blank schedules contact the Energy Information Administration using the contact information page i.

Specific Instructions

Schedule 1. Identification

Respondents who designate their regional council to file on their behalf should submit changes to Schedule 1 by telephone, fax, or e-mail to EIA.

1. For line 1, **Legal Name of Operator**, verify the name.

2. For line 2, **Current Address of Principal Business Office of Plant Operator**, verify the principal name and address to which this form should be mailed. Include an attention line, room number, building designation, etc., to facilitate the future handling and processing of this form (EIA-860).

3. For line 3, **Preparer's Legal Name,** verify the name to which this form should be mailed if different from line 1.

4. For line 4**, Current Mailing Address of Preparer's Office**, verify the address to which this form should be mailed. Include an attention line, room number, building designation, etc., to facilitate the future handling and processing of this form (EIA-860), if preparer is different from operator in line 1.

5. For line 5, **Type of Reporting Entity,** indicate either regulated or unregulated. See Glossary for definition of regulated and unregulated entities.

6. For line 6, **If Reporting Entity is Regulated**, if in line item 5, reporting entity was marked as being regulated, enter an "X" for the appropriate type of entity.

Schedule 2. Power Plant Data

1. Verify or complete one section for each existing power plant and each power plant planned for initial operation within 5 years. To report a new plant or a plant that is not identified on the preprinted form, use a separate (blank) section of Schedule 2.

2. For line 1**, Plant Name** and **Street Address**, enter the name and street address of the power plant. Enter "NA 1," "NA 2," etc., for planned facilities that have no name(s). Each power plant must be uniquely identified. The type of plant does not need to be a part of the plant name, e.g., "Plant x Hydro" needs to be reported as "Plant x" only. The type of plant is recognized by the prime mover code(s) reported in Schedule 3. There may be more than one prime mover type associated with a single plant name (single site).

3. For line 2, **EIA Plant Code**, enter or verify the EIA Plant Code for the power plant.

4. For line 3, **County Name and City Name**, enter the county and city in which the plant is (will be) located. Enter "NA" for planned facilities that have not been sited. If a mobile power plant indicate with a footnote on Schedule 5.

5. For line 4, **State**, enter the two-letter U.S. Postal Service abbreviation for the State in which the plant is located. Enter "NA" for planned facilities for which the State has not been determined. If the State is "NA," the county name must be "NA."

6. For line 5, **Zip Code**, enter the zip code of the plant. Provide, at a minimum, the five-digit zip code; however, the nine-digit code is preferred.

7. For line 6, **Latitude**, enter the latitude of the plant in degrees, minutes, and seconds.

INSTRUCTIONS

Specific Instructions

Schedule 2. Power Plant Data (Continued)

8. For line 7, **Longitude**, enter the longitude of the plant in degrees, minutes, and seconds.

9. For line 8, **NERC Region and NERC Subregion**, enter the NERC region and subregion in which the plant is located. A map of the NERC regions can be found on the Internet URL: www.eia.doe.gov/cneaf/electricity/chg_str_fuel/html/fig02.html.

10. For line 9, **Name of Water Source**, enter the name of the principal source from which cooling water for thermal-electric plants and water for generating power for hydroelectric plants is directly obtained. If more than one water source is (will be) used, enter the name(s) of the other sources of water under "Notes." Enter "Municipality" if the water is from a municipality. Enter "wells" if water is from wells. Enter "NA" for planned facilities for which the water source is not known.

11. For line 10, **Primary Purpose of Facility**, enter the North American Industry Classification System (NAICS) code that best describes the primary purpose of the reporting facility.

12. For line 11, **Unregulated Company Only**, enter the name of the electric regulated entity with which the facility is interconnected. If not connected enter "Not Connected."

Schedule 3. Generator Information.

1. Verify or complete for each existing or planned generator. Complete one column for each generator (up to three generators can be reported on one page) as determined by the following: (1) is in commercial operation (whether active or inactive), or (2) is expected to be in commercial operation within 5 years and is either planned, under construction, or in testing stage. Do not report auxiliary generators. Multiple generators operated together (i.e., cross-compound) should be reported with one generator ID.

2. To report a new generator, use a separate (blank) section of Schedule 3. To report a new generator that has replaced one that is no longer in service, update the status of the generator that has been replaced along with other related information (e.g., retirement date), then use a separate (blank) section of Schedule 3 to report all of the applicable data about the new generator. Each generator must be uniquely identified within a plant. The EIA cannot use the same generator ID for the new generator that was used for the generator that was replaced.

Schedule 3. Generator Information, Part A. Generators

1. For line 1, **Plant Name**, enter the official or legal name of the power plant as reported on Schedule 2.

2. For line 2, **EIA Plant Code**, enter the EIA plant code as reported on Schedule 2.

3. For line 3, **Generator Identification**, enter the unique generator identification commonly used by plant management. Generator identification can have a maximum of four characters, and should be the same identification as reported on other EIA forms to be uniquely defined within a plant.

4. For line 4**, Prime Mover**, for each existing combined cycle unit, enter one of the mover codes:

Prime Mover Code	Prime Mover Description
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion Engine (diesel, piston)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part (type of coal must be reported as energy source for integrated coal)
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle Total Unit (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided)
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other
NA	Unknown at this time (use only for plants/generators that are in planning stage, for which specific generator details cannot be provided.)

5. For line 5, **Unit Code** (Multi-generator code), identify all generators that are operated with other generators as a single unit. (Identify generators in Schedule 5, "Footnotes.") Generators operating as a single unit should have the same four-character unit (multi-generator code) code. These generators should have a single heat rate and (aggregate) capacity reported. The four-character unit code is entered by EIA. If generators do not operate as a single unit, this space should be left blank.

6. For line 6, **Ownership**, identify the ownership for each generator using the following codes: "S" for single ownership by respondent, "J" for jointly owned with another entity, or "W" for wholly owned by an entity other than respondent.

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information, Part B. Existing Generators

1. For line 1, **Maximum Generator Nameplate Capacity**, report the highest value on the nameplate in megawatts rounded to the nearest tenth.

2. For line 2, **Net Capacity,** enter the generator's (unit's) summer and winter net capacities for the primary energy sources. Report in megawatts, rounded to the nearest tenth. For generators that are out of service for an extended period or on standby or have no generation during the respective seasons report the estimated capacities based on historical performance.

3. For line 3, **Status Code**, enter one of the following status codes:

Status Code	Status Code Description
OP	Operating - in service and producing some electricity.
SB	Standby - available for service but not normally used (has little or no generation during the year).
OS	Out of service - units that could not be used for the reporting year, but are expected to be returned to service in the future.
RE	Retired - no longer in service and not expected to be returned to service.

4. For line 4, **Initial Date of Operation**, enter the month and year of commercial operation.

5. For Line 5, **Retirement Date,** enter the date the generator was retired in month and year format.

6. For line 6, **Tested Heat Rate**, enter the tested heat rate under full load conditions for all generators that derive their energy from combustion or fission of fuel. Report the heat rate as the fuel consumed in British thermal units (Btu(s)) necessary to generate one net kilowatthour of electric energy. Report the heat rate based on the primary energy source. Report the tested heat rate under full load, not the actual heat rate, which is the quotient of the total Btu(s), consumed and total net generation. If generators are tested as a unit (not tested individually), report the same test result for each generator. For generators that are out of service for an extended period or on standby, report the heat rate based on the unit's latest test.

7. For Line 7, **Energy Source Code(s)**, please specify up to 12 energy sources that the generator is capable of using to produce electricity. Enter in order of their predominance of use, where predominance is based on quantity of Btu(s) consumed. Include energy source codes(s) that the generator was capable of using, although the energy source may not have been used for electricity generation during the last 12 months. For generators that are out of service for an extended period of time or on standby, report the energy sources based on the generator's latest operating experience. Select appropriate energy source codes from the following list. For generators driven by turbines using steam that is produced from waste heat or reject heat, report the original energy source used to produce the waste heat (reject heat).

Energy Source Code	Energy Source Description
BIT	(Anthracite Coal, Bituminous Coal)
LIG	Lignite Coal
SUB	Subbituminous Coal
WC	Waste/Other Coal (Anthracite Culm, Bituminous Gob, Fine Coal, Lignite Waste, Waste Coal)
SC	Coal-based Synfuel and include briquettes, pellets, or extrusions, which are formed by binding materials and processes that recycle material
DFO	Distillate Fuel Oil (includes all Diesel and No. 1, No. 2, and No. 4 Fuel Oils)
JF	Jet Fuel
KER	Kerosene
RFO	Residual Fuel Oil (includes No. 5 and No. 6 Fuel Oils and Bunker C Fuel Oil)
WO	Oil-Other and Waste Oil (Butane (Liquid), Crude Oil, Liquid Byproducts, Oil Waste, Propane (Liquid), Re-Refined Motor Oil, Sludge Oil, Tar Oil)
PC	Petroleum Coke
NG	Natural Gas
BFG	Blast-Furnace Gas
OG	Other Gas (Butane, Coal Processes, Coke-Oven, Refinery, and other processes)
PG	Propane
NUC	Nuclear (Uranium, Plutonium, Thorium)
AB	Agriculture Crop Byproducts/Straw/Energy Crops
BLQ	Black Liquor
GEO	Geothermal
LFG	Landfill Gas
MSW	Municipal Solid Waste
OBS	Other Biomass Solids (Animal Manure and Waste, Solid Byproducts, and other solid biomass not specified)
OBL	Other Biomass Liquids (Ethanol, Fish Oil, Liquid Acetonitrile Waste, Medical Waste, Tall Oil, Waste Alcohol, and other biomass liquids not specified)
OBG	Other Biomass Gases (Digester Gas, Methane, and other biomass gases)
OTH	Other (Batteries, Chemicals, Coke Breeze, Hydrogen, Pitch, Sulfur, Tar Coal, and miscellaneous technologies)
PUR	Purchased Steam
SLW	Sludge Waste
SUN	Solar (Photovoltaic, Thermal)
TDF	Tires
WAT	Water (Conventional, Pumped Storage)
WDS	Wood/Wood Waste Solids (Paper Pellets, Railroad Ties, Utility Poles, Wood Chips, and other wood solids)
WDL	Wood Waste Liquids (Red Liquor, Sludge Wood, Spent Sulfite Liquor, and other wood related liquids not specified)
WND	Wind
NA	Not Available

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information, Part B. Existing Generators (Continued)

8. For line 8, **If Energy Source is Wind**, enter the number of turbines.

9. For line 9, **Combined Heat and Power Producer**, check either "Yes" or "No".

10. For Line 10, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, and check "No" otherwise.

11. For line 11**, Mode of Transportation for Fuel**, enter the principal method of transportation for fuel to the plant that corresponds to the first two reported energy sources. Select from the list of codes below:

Mode of Transportation Code	Mode of Transportation Description
CV	Conveyer
PL	Pipeline
RR	Railroad
TK	Truck
WA	Water
UN	Unknown at this time.

Schedule 3. Generator Information, Part C. Proposed Generator

1. For line 1, **Maximum Generator Nameplate Capacity**, enter the highest value on the nameplate in megawatts rounded to the nearest tenth.

2. For line 2 **Net Capacity**, enter the summer and winter capacities as specified below in megawatts rounded to the nearest tenth.

If Status Code is:	Then Enter:
TS, P, L, T, U, V	The capacity expected to be realized when the generator starts commercial operation.

3. For line 3, **Status Code**, enter one of the following status codes:

Status Code	Status Code Description
IP	Planned new generator canceled, indefinitely postponed, or no longer in resource plan
TS	Construction complete, but not yet in commercial operation (including lower power testing of nuclear units)
P	Planned for installation but not under construction
L	Regulatory approval pending. Not under construction (started site preparation)
T	Regulatory approval received but not under construction
U	Under construction, less than or equal to 50 percent complete (based on construction time to date of operation)
V	Under construction, more than 50 percent complete (based on construction time to date of operation)
OT	Other (describe under “Notes”)

4. For Line 4, **Planned Original Effective Date,** enter the month and year of the original effective date that: 1) the generator was scheduled to start operation after construction is completed. (Please note that this date does not change once it has been reported the first time.)

5. For line 5, **Planned Current Effective Date,** enter the month and year of the current effective date that the generator is scheduled to start operation.

6. For line 6, **Please Enter All Energy Source Code(s) That Pertain**, using the energy source codes from Schedule 3, Part B, line 7. Enter in order of predominance of Btus.

7. For line 7, **If Energy Sources is Wind**, enter the number of turbines.

8. For line 8, **Combined Heat and Power Producer**, Check either "Yes" or "No."

9. For Line 9, **Distributed Generator**, check "Yes" if the generator is considered to be a distributed generator, and check "No" otherwise.

10. For line 10, **Mode of Transportation for Fuel,** see instructions for Schedule 3, Part B line 11.

INSTRUCTIONS

Specific Instructions

Schedule 3. Generator Information, Part D. Proposed Changes to Existing Generators

1. For line 1, **Maximum Generator Nameplate Capacity**, enter the highest value on the nameplate in megawatts rounded to the nearest tenth.

2. For line 2 **Net Capacity**, enter the summer and winter capacities as specified below in megawatts rounded to the nearest tenth.

If Status Code is:	Then Enter:
FC	The change in capacity (if any) expected to be realized from the conversion to the new energy sources.
A, D, RP	The change in capacity (if any) expected be realized from the modification to the equipment.
RA	The capacity expected to be realized once the previously retired generator is reactivated.
M, RT	The decrease (negative value) in capacity for the generator being deactivated or retired.

3. For line 3, **Status Code**, enter one of the following status codes:

Status Code	Status Code Description
FC	Existing generator planned for conversion to another fuel or energy source
RP	Proposed for life extension or repowering
A	Proposed generator capability increase (rerating or relicensing)
D	Proposed generator capability decrease (rerating or relicensing)
M	Generator to be put in deactivated shutdown status
RA	Previously retired or deactivated generator planned for reactivation
RT	Existing generator scheduled for retirement
CO	Proposed change of ownership (including change of shares of jointly-owned units)

4. For Line 4, **Planned Original Effective Date,** enter the month and year of the original effective date that: 1) the generator was scheduled to start operation after modification or reactivation; 2) the change of ownership was effective; 3) the generator was scheduled for deactivated shutdown status; or 4) the generator was scheduled for retirement. (Please note that this date does not change once it has been reported the first time.)

5. For line 5, **Planned Current Effective Date,** enter the month and year of the current effective date that the generator is scheduled to start operation after modification or reactivation, the month and year that the change of ownership is effective, the month and year that the generator is scheduled for deactivated shutdown status, or the month and year that the generator is scheduled for retirement.

6. For line 6, **Please Enter All Energy Source(s) That Pertain To Modification Or Change**, using the energy source codes from Schedule 3, Part B, line 7.

7. For line 7, New Prime Mover, for existing generators with a status code of "RP", enter the prime mover code that is applicable once the modification is complete if it will be different from the current prime mover. Use the codes for prime mover provided under "Prime Mover," Schedule 3, Part A.

Schedule 3. Generator Information, Part E. Federal Energy Regulatory Commission Generator Status

1. Complete one schedule for each generator. Up to three generators can be reported on one page.

2. Check the applicable response for lines 2 through 6.

3. For line 7, **Date of Sale, If Sold**, enter the month and year of the sale of the generator (e.g., 12-2001).

4. If data for line 8, are entered, **Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Facility was Sold**, must be completed in Part E.

U.S. Department of Energy Energy Information Administration Form EIA-860 (2002)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

INSTRUCTIONS

Specific Instructions

Schedule 4. Ownership Of Generators Owned Jointly Or By Others

1. Complete a separate Schedule 4 for each existing and planned generator that is, or will be, jointly owned; each generator that the respondent operates but that is, or will be, jointly owned; and each generator that the respondent operates but is 100 percent owned by another entity. Only the current or planned operator of jointly-owned generators should complete this schedule. The total percentage of ownership must equal 100 percent.

2. For each jointly-owned generator, specify the **Plant Name, EIA Plant Code, and Generator Identification**, as listed on Schedule 3, Part A.

3. Enter the **Owner or Participant Name and Address,** in order of percentage of ownership, of each jointly-owned generator. Enter the **EIA Code** for the owner, if known, otherwise leave blank. Enter the **Percent Owned** to two decimal places, i.e., 12.5 percent as "12.50." If a generator is 100 percent owned by an entity other than the operator, then enter the percentage ownership as "100.00."

4. Include any notes or comments on Schedule 5.

Schedule 5. Notes

This schedule provides additional space for comments. Please identify schedule and line number for each comment.

Schedule 6. Authorization for Reporting

Respondents have the option either to submit this schedule to the EIA or to designate an agent or agents (e.g., regional electric reliability council, North American Electric Reliability Council (NERC), or other groups) to submit this information to the EIA on its behalf. Each respondent is encouraged to designate its regional electric reliability council(s) as its agent(s) to report to the EIA on the respondent's behalf. The designated agent(s) must specify the electric generating company for which it is submitting information. The respondent (the electric generating company) has the ultimate responsibility for submitting the Form EIA-860 data or any data not submitted on its behalf by its designated agent(s).

Respondents who designate an agent or agents to file on their behalf should return this completed schedule and a copy of the fully completed Form EIA-860 or the Form EIA-411, Schedule 3, to the EIA in the enclosed envelope or in an envelope using the mailing address above.

The completed schedule should include the name(s) of the designated agent(s), name(s) of contact person(s) at the designated agent(s), their corresponding telephone number(s), the name of the respondent (electric utility) official authorizing the agent(s) to file, the official's title, telephone number, signature, and the date the form is signed.

REPORTING BURDEN

GLOSSARY

Combined Cycle: A cogeneration technology in which additional electricity is produced sequentially from the otherwise lost waste heat exiting from one of more gas-fired turbines. The exiting heat flow is routed to an exhaust-fired conventional boiler or to a steam turbine in the production of electricity. This process increases the efficiency of an electric generating system by turning the rejected heat into thermal steam rather than discharging it into the atmosphere.

Combined Heat and Power (CHP): A generating facility that produces electricity and another form of useful thermal energy (such as heat or steam) used for industrial, commercial, heating, or cooling purposes. To receive status as a qualifying facility (QF) under the Public Utility Regulatory Policies Act (PURPA), the facility must produce electric energy and "another form of useful thermal energy through the sequential use of energy" and meet certain ownership, operating, and efficiency criteria established by the Federal Energy Regulatory Commission (FERC). (See the code of Federal Regulations, Title 18, Part 292.)

Distributed Generator: Small, modular electricity generators sited close to the customer load – can enable utilities to defer or eliminate costly investments in transmission and distributed (T&D) system upgrades, and provide customers with better quality, more reliable energy supplies and a cleaner environment.

Electric Power: The rate at which electric energy is transferred. Electric power is measured by capacity and is commonly expressed in megawatts (MW).

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity Generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy Source: The primary source that provides the power that is converted to electricity through chemical, mechanical, or other means. Energy sources include coal, petroleum, and petroleum products, gas, water, uranium, wind, sunlight, geothermal, and other sources.

Generator Nameplate Capacity (Installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Gross Generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours or megawatthours.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Maximum Generator Nameplate Capacity: The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer.

Megawatt (MW): One million watts.

Megawatthour (MWh): One million watthours.

Net Capacity: The maximum load that a generating unit, generating station, or other electrical apparatus can carry, exclusive of station use, under specified conditions for a given period of time without exceeding approved limits of temperature and stress.

Net Generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. *Note:* Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net Summer Capacity: The steady hourly output, which generating equipment is expected to supply to system load exclusive of auxiliary power, as demonstrated by tests at the time of summer peak demand. The summer peak period begins on June 1 and extends through September 30.

Net Winter Capacity: The steady hourly output, which generating equipment is expected to supply to system load exclusive of auxiliary power, as demonstrated by tests at the time of winter peak demand. The winter peak period begins on December 1 and extends through March 31.

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.

Ownership: The entity or entities that own(s) the generator. Ownership may be single, joint, or held by an entity other than the respondent.

Prime Mover: The motive force that drives an electric generator (e.g. steam engine, turbine, or water wheel).

Qualifying Facility (QF): A cogeneration or small power production facility that meets certain ownership, operating, and efficiency criteria established by the Federal Energy Regulatory Commission (FERC) pursuant to the Public Utility Regulatory Policies Act (PURPA). (See the Code of Federal Regulations, Title 18, Part 292.)

Regulated Entity: For the purpose of EIA's data collection efforts, entities that either provide electricity within a designated franchised service area and/or file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered regulated entities. This includes investor-owned electric utilities that are subject to rate regulation, municipal utilities, federal and state power authorities, and rural electric cooperatives. Facilities that qualify as CHP or small power producers under the Public Utility Regulatory Power Act (PURPA) are not considered regulated entities.

Renewable Resource: An energy resource that is naturally replenishing but flow-limited. It is virtually inexhaustible in duration, but limited in the amount of energy that is available per unit of time. Renewable resources include: biomass, hydroelectric, geothermal, solar, and wind power.

Tested Heat Rate: The fuel consumed in British thermal units (Btu) necessary to generate one net kilowatthour of electric energy, reported based on primary energy source under full load conditions. Reported in Btu per kilowatthour.

Unit Code: Multi-generator code that identifies all generators that are operated with others as a single unit. Such generators should report a single heat rate.

Unregulated Entity: For the purpose of EIA's data collection efforts, entities that do not have a designated franchised service area and that do not file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered unregulated entities. This includes qualifying CHP, qualifying small power producers, and other generators that are not subject to rate regulation such as independent power producers.

U.S. Department of Energy Energy Information Administration Form EIA-860 (2002)	*ANNUAL ELECTRIC GENERATOR REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

NOTICE: The timely submission of Form EIA-860 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. A person is not required to respond to collection of information unless the form displays a valid OMB number. **Data reported on Schedule 2, Latitude and Longitude; and Schedule 3, Part B, Tested Heat Rate, will be kept confidential. All other data are not confidential. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

RESPONSE DUE DATE:

REPORT FOR: < respondent name > <respondent id>

REPORTING PERIOD: As of January 1, 2003

SURVEY CONTACTS: Persons to contact with questions about this form.

Contact Person 1 Respondent: Title:
Telephone: ( ) FAX: ( ) E-mail:

Contact Person 2 Supervisor: Title:
Telephone: ( ) FAX: ( ) E-mail:

SCHEDULE 1. IDENTIFICATION

LINE NO.			
1	**Legal Name of Operator**		
2	**Current Address of Principal Business Office of Plant Operator**		
3	**Preparer's Legal Name (If Different Than Line 1)**		
4	**Current Address of Preparer's Office (If Different Than Line 2)**		
5	**Type of Reporting Entity**	**[ ] Regulated**	**[ ] Unregulated**
6	**If Reporting Entity is Regulated, Check One**	**[ ] Cooperative** **[ ] Federal** **[ ] Investor Owned**	**[ ] Municipal** **[ ] State** **[ ] Other**

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SCHEDULE 2. POWER PLANT DATA

PART A. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 5 YEARS)

LINE NO.					
1	Plant Name		Street Address:		
2	EIA Plant Code				
3	County Name		City Name:		
4	State				
5	Zip Code				
6	Latitude (Degrees, Minutes, Seconds)				
7	Longitude (Degrees, Minutes, Seconds)				
8	NERC Region		NERC Subregion		
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)				
10	Primary Purpose of the Facility (North American Industry Classification System Code)				
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)				

PART B. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN 5 YEARS)

1	Plant Name		Street Address:		
2	EIA Plant Code				
3	County Name		City Name:		
4	State				
5	Zip Code				
6	Latitude (Degrees, Minutes, Seconds)				
7	Longitude (Degrees, Minutes, Seconds)				
8	NERC Region		NERC Subregion		
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)				
10	Primary Purpose of the Facility (North American Industry Classification System Code)				
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)				

PART C. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN 5 YEARS)

1	Plant Name		Street Address:		
2	EIA Plant Code				
3	County Name		City Name:		
4	State				
5	Zip Code				
6	Latitude (Degrees, Minutes, Seconds)				
7	Longitude (Degrees, Minutes, Seconds)				
8	NERC Region		NERC Subregion		
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)				
10	Primary Purpose of the Facility (North American Industry Classification System Code)				
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)				

PART D. PLANT (EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN 5 YEARS)

1	Plant Name		Street Address:		
2	EIA Plant Code				
3	County Name		City Name:		
4	State				
5	Zip Code				
6	Latitude (Degrees, Minutes, Seconds)				
7	Longitude (Degrees, Minutes, Seconds)				
8	NERC Region		NERC Subregion		
9	Name of Water Source (For Purpose of Cooling or Hydroelectric)				
10	Primary Purpose of the Facility (North American Industry Classification System Code)				
11	Unregulated Company Only (Enter the electric utility in whose service area the facility is located. If not connected to an electric utility enter "Not Connected" after utility name.)				

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REPORTING PERIOD: As of January 1, 2003

SCHEDULE 3. GENERATOR INFORMATION
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN FIVE YEARS)

LINE NO			Generator (a)	Generator (b)	Generator (c)
PART A. GENERATORS (Complete One Column for Each Generator, by Plant)					
1	Plant Name				
2	EIA Plant Code				
3	Generator Identification				
4	Prime Mover Code				
5	Unit Code				
6	Ownership Code				
PART B. EXISTING GENERATORS (Complete One Column for Each Generator, by Plant)					
1	Maximum Generator Nameplate Capacity (Megawatts)				
2	Net Capacity (Megawatts)	Summer			
		Winter			
3	Status Code				
4	Initial Date of Operation (Month-Year)				
5	Retirement Date (Month-Year)				
6	Tested Heat Rate (Btu/Kilowatthour)				
7	Energy Source Code(s) in Btu Order by Predominance of use	a. / g.			
		b. / h.			
		c. / i.			
		d. / j.			
		e. / k.			
		f. / l.			
8	If Energy Source is Wind, Enter the Number of Turbines				
9	Combined Heat and Power Producer (Check Yes or No)		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
10	Do You Consider This to be a Distributed Generator (Check Yes or No)		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
11	Mode of Transportation for Fuel	a.			
		b.			
PART C. PROPOSED GENERATOR (Complete One Column for Each Generator, by Plant)					
1	Maximum Generator Nameplate Capacity (Megawatts)				
2	Net Capacity (Megawatts)	Summer			
		Winter			
3	Status Code				
4	Planned Original Effective Date (Month-Year)				
5	Planned Current Effective Date (Month-Year)				
6	Energy Source Code(s) in Btu Order by Predominance of use	a. / g.			
		b. / h.			
		c. / i.			
		d. / j.			
		e. / k.			
		f. / l.			
7	If Energy Source is Wind (enter the number of turbines)				
8	Combined Heat and Power Producer (Check Yes or No)		[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No
9	Do You Consider This to be a Distributed Generator (Check Yes or No)				
10	Mode of Transportation for Fuel	a.			
		b.			

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SCHEDULE 3. GENERATOR INFORMATION
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN FIVE YEARS)

	Plant Name											
	EIA Plant Code											
PART D. PROPOSED CHANGES TO EXISTING GENERATORS (Complete One Column for Each Generator, by Plant)												
LINE NO												
1	**Maximum Generator Nameplate Capacity (Megawatts)**											
2	**Net Capacity (Megawatts)**	**Summer**										
		Winter										
3	**Status Code**											
4	**Planned Original Effective Date (Month-Year)**											
5	**Planned Current Effective Date (Month-Year)**											
6	**Energy Source Code(s) in Btu Order by Predominance of use**	**a.**		**g.**		**a.**		**g.**		**a.**		**g.**
		b.		**h.**		**b.**		**h.**		**b.**		**h.**
		c.		**i.**		**c.**		**i.**		**c.**		**i.**
		d.		**j.**		**d.**		**j.**		**d.**		**j.**
		e.		**k.**		**e.**		**k.**		**e.**		**k.**
		f.		**l.**		**f.**		**l.**		**f.**		**l.**
7	**New Prime Mover Code**											

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SCHEDULE 3. GENERATOR INFORMATION
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN FIVE YEARS)

	Plant Name	
	EIA Plant Code	

PART E. FEDERAL ENERGY REGULATORY COMMISSION GENERATOR STATUS

LINE NO.	GENERATOR STATUS (Check) (a)			Federal Energy Regulatory Commission Docket Number (AP for Application Pending, N/A for Not Applicable) (b)
Complete One Section for Each Generator, by Plant				
1		Generator Identification		
2	Combined Heat and Power Producer		[ ]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator		[ ]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer		[ ]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator		[ ]	
6	Other Specify:		[ ]	
7	Date of Sale, If Sold (Month-Year)			
8	Sale to Regulated or Unregulated Entity, if Sold (Check Box)			Regulated [ ] Unregulated [ ]
Complete One Section for Each Generator, by Plant				
1		Generator Identification		
2	Combined Heat and Power Producer		[ ]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator		[ ]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer		[ ]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator		[ ]	
6	Other Specify:		[ ]	
7	Date of Sale, If Sold (Month-Year)			
8	Sale to Regulated or Unregulated Entity, if Sold (Check Box)			Regulated [ ] Unregulated [ ]
Complete One Section for Each Generator, by Plant				
1		Generator Identification		
2	Combined Heat and Power Producer		[ ]	
3	Federal Energy Regulatory Commission Qualifying Cogenerator		[ ]	
4	Federal Energy Regulatory Commission Qualifying Small Power Producer		[ ]	
5	Federal Energy Regulatory Commission Qualifying Exempt Wholesale Generator		[ ]	
6	Other Specify:		[ ]	
7	Date of Sale, If Sold (Month-Year)			
8	Sale to Regulated or Unregulated Entity, if Sold (Check Box)			Regulated [ ] Unregulated [ ]

Complete for Each Generator Sold	
	Generator Identification, Legal Name, Business Address, Contact Person, and Telephone of the Entity to Which this Facility was Sold.
1	

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SCHEDULE 4. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS

PLANT NAME (a)	
EIA PLANT CODE (b)	
GENERATOR IDENTIFICATION (c)	

JOINT OWNER NAME AND CONTACT INFORMATION (d)

JOINT OWNER 1: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 2: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 3: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 4: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 5: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 6: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 7: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 8: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 9: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 10: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
JOINT OWNER 11: NAME		% OWNED (e):	
MAILING ADDRESS AND EIA CODE			
		EIA CODE:	
		Total	**100%**

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SCHEDULE 5. FOOTNOTES

SCHEDULE NUMBER (a)	LINE NUMBER (b)	NOTES (c)

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SCHEDULE 6. AUTHORIZATION FOR REPORTING

The respondent authorizes the agent designated below to submit on its behalf, the Form EIA-860, *Annual Electric Generator Report,* to the U.S. Department of Energy**.** Respondents have the option either to submit this completed form to the EIA or to designate an agent or agents (e.g., regional electric reliability council, North American Electric Reliability Council (NERC), or other groups) to submit this information to the EIA on its behalf. Each respondent is encouraged to designate its regional electric reliability council(s) as its agent(s) to report to the EIA on the respondent's behalf. The designated agent(s) must specify the electric generator for which it is submitting information. The respondent (electric generator) has the ultimate responsibility for submitting all these data or any data not submitted on its behalf by its designated agent(s).

AUTHORIZED AGENT		
LINE NO.		
1	**Agent Name**	
2	**Agent Contact Person**	
3	**Agent Address**	
4	**Agent Telephone**	
RESPONDENT AUTHORIZING OFFICIAL		
5	**Respondent Authorizing Official Name**	
6	**Respondent Authorizing Official Title**	
7	**Respondent Authorizing Official Telephone**	
8	**Respondent Authorizing Official Signature**	
9	**Date**	

U.S. Department of Energy Energy Information Administration Form EIA-861 (2002)	*ANNUAL ELECTRIC POWER INDUSTRY REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

NOTICE: The timely submission of Form EIA-861 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. A person is not required to respond to collection of information unless the form displays a valid OMB number. **The data reported on the Form EIA-861 not specifically stated in this section as confidential are not considered to be confidential. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SURVEY CONTACTS: Persons to contact with questions about this form.	**RESPONSE DUE DATE:** Please submit by April 30th, following the close of the calendar year.
Contact Person 1: Title: Telephone: ( ) FAX ( ) E-mail:	**REPORT FOR (Company Name):** **EIA ID:**
Contact Person 2: Title: Telephone: ( ) FAX ( ) E-mail:	**REPORTING PERIOD:** 20xx

SCHEDULE 1. IDENTIFICATION

LINE NO.		
1	**Legal Name of Industry Participant**	
2	**Current Address of Principal Business Office**	
3	**Preparer's Legal Name (If Different Than Line 1)**	
4	**Current Address of Preparer's Office (If Different Than Line 2)**	
5	**Respondent Type (check one)**	**[ ] Federal** **[ ] State** **[ ] Political Subdivision** **[ ] Municipal** **[ ] Municipal Marketing Authority** **[ ] Investor-owned** **[ ] Cooperative** **[ ] Power Marketer (or Energy Service Provider)** **[ ] Independent Power Producer or Qualifying Facility**

U.S. Department of Energy Energy Information Administration Form EIA-861 (2002)	*ANNUAL ELECTRIC POWER INDUSTRY REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 2, PART A. GENERAL INFORMATION

LINE NO.				
1	North American Electric Reliability Council. (for power marketers, Not Applicable)	[ ] ECAR	[ ] MAIN	[ ] SERC
		[ ] ERCOT	[ ] MAPP	[ ] SPP
		[ ] FRCC	[ ] NPCC	[ ] WECC
		[ ] MAAC		
2	(For EIA Use Only) Identify the North American Electric Reliability Council where you are physically located			
3	Enter Control Area Operator(s) Responsible for Your Oversight			
4	Did Your Company Operate Generating Plant(s)? (check one)	[ ] Yes	[ ] No	
5	Identify the Activities Your Company Was Engaged in During the Year (check appropriate activities)	[ ] Generation from company owned plant	[ ] Buying distribution on other electrical systems	
		[ ] Transmission	[ ] Wholesale power marketing	
		[ ] Buying transmission services on other electrical systems	[ ] Retail power marketing	
		[ ] Distribution using owned/leased electrical wires	[ ] Bundled Services (electricity plus other services)	
6	Highest Hourly Electrical Peak System Demand	Summer (Megawatts)		
		Winter (Megawatts)		
7	Did Your Company Operate Alternative-Fueled Vehicles During the Year? Or Does Your Company Plan to Operate Such Vehicles During the Coming Year?	[ ] Yes	[ ] No	
	If "Yes", Please Provide Additional Contact Information.	Name:		
		Title:		
		Telephone: ( )	Fax: ( )	E-mail address:

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REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 2, PART B. ENERGY SOURCES AND DISPOSITION

LINE NO.	SOURCE OF ENERGY	MEGAWATTHOURS	LINE NO.	DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		11	Retail Sales to Ultimate Customers	
2	Purchases from Electricity Suppliers		12	Sales for Resale	
3	Exchanges Received (In)		13	Energy Furnished Without Charge	
4	Exchanges Delivered (Out)		14	Energy Consumed By Respondent Without Charge	
5	Exchanges (Net)		15	Energy Consumed by Facility (Independent Power Producer or Qualifying Facility)	
6	Wheeled Received (In)		16	Total Energy Losses (positive number)	
7	Wheeled Delivered (Out)				
8	Wheeled (Net)				
9	Transmission by Others Losses (negative number)				
10	Total Sources (sum of lines 1, 2, 5, 8, and 9)		17	Total Disposition (sum of lines 11, 12, 13, 14, 15, and 16)	

SCHEDULE 2, PART C. CUSTOMER SERVICE PROGRAMS

		NUMBER OF CUSTOMERS BY CUSTOMER CLASS				
STATE	TYPE OF CUSTOMER SERVICE PROGRAMS (a)	RESIDENTIAL (b)	COMMERCIAL (c)	INDUSTRIAL (d)	OTHER (e)	TOTAL (f)
	Green Pricing					
	Net Metering					
	Green Pricing					
	Net Metering					

SCHEDULE 3. ELECTRIC OPERATING REVENUE

LINE NO.	TYPE OF OPERATING REVENUE	THOUSAND DOLLARS
1	Electric Operating Revenue From Retail Sales to Ultimate Customers (Schedule 4 , Parts A and B)	
2	Revenue From Unbundled (Delivery) Customers (Schedule 4, Part C)	
3	Electric Operating Revenue from Sales for Resale	
4	Electric Credits/Other Adjustments	
5	Other Electric Operating Revenue	
6	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, and 5)	

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REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 4, PART A. RETAIL SALES TO ULTIMATE CUSTOMERS. FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

STATE / TERRITORY		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	OTHER (d)	TOTAL (e)
Revenue (thousand dollars)						
Megawatthours Sold and Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold and Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold and Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold and Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold and Delivered						
Number of Customers						

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REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 4, PART B. RETAIL SALES TO ULTIMATE CUSTOMERS. ENERGY - ONLY SERVICE (WITHOUT DELIVERY SERVICE)

STATE		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	OTHER (d)	TOTAL (e)
Revenue (thousand dollars)						
Megawatthours Sold						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Sold						
Number of Customers						

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REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 4, PART C. RETAIL SALES TO ULTIMATE CUSTOMERS. DELIVERY - ONLY SERVICE (AND ALL OTHER CHARGES)

STATE		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	OTHER (d)	TOTAL (e)
Revenue (thousand dollars)						
Megawatthours Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Delivered						
Number of Customers						
STATE						
Revenue (thousand dollars)						
Megawatthours Delivered						
Number of Customers						

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REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 5. DEMAND-SIDE MANAGEMENT INFORMATION

LINE NO.		
1	Do you have company administered Demand-Side Management Programs? (check Yes or No)	[ ] Yes [ ] No
2	If your Demand-Side Management activities are reported on Schedule 5 of another company, identify the company.	

NOTE If you answered "No," to Line 1 or another Company Reports your Demand-Side Management Activities on their Schedule 5, do not complete the rest of this Schedule.

PART A. ACTUAL EFFECTS

		INCREMENTAL EFFECTS				ANNUAL EFFECTS			
ENERGY EFFICIENCY		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	OTHER (d)	RESIDENTIAL (e)	COMMERCIAL (f)	INDUSTRIAL (g)	OTHER (h)
3	Energy Effects (megawatthours)								
4	Actual Peak Reduction (megawatts)								
LOAD MANAGEMENT									
5	Energy Effects (megawatthours)								
6	Potential Peak Reduction (megawatts)								
7	Actual Peak Reduction (megawatts)								

PART B. ANNUAL COSTS (THOUSAND DOLLARS)

8	Direct Costs - Energy Efficiency	
9	Direct Costs - Load Management	
10	Indirect Costs	
11	Total Cost (sum of lines 8, 9, and 10)	

PART C. SUPPLEMENTAL INFORMATION

12	Have there been any major changes to your Demand-Side Management programs (e.g., terminated programs, new information or financing programs, or a shift to programs with dual load building objectives and energy efficiency objectives), program tracking procedures, program evaluations, or reporting methods that impact the demand-side management data reported on this schedule? (check Yes or No)	[ ] Yes	[ ] No
13	Does your company currently have a program to increase the amount of "price responsive" customer load, (i.e., load that responds dynamically to higher or lower prices for wholesale electricity)? (check Yes or No)	[ ] Yes	[ ] No

14 If the answer to line 13 is "Yes", please disclose the number of participating customers by class.

Residential _____ Commercial _____ Industrial _____ Other _____

U.S. Department of Energy Energy Information Administration Form EIA-861 (2002)	*ANNUAL ELECTRIC POWER INDUSTRY REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 6. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (U.S. POSTAL ABBREVIATION) (a)	COUNTY (PARISH, ETC.) (b)	LINE NO.	STATE (U.S. POSTAL ABBREVIATION) (a)	COUNTY (PARISH, ETC.) (b)
1			20		
2			21		
3			22		
4			23		
5			24		
6			25		
7			26		
8			27		
9			28		
10			29		
11			30		
12			31		
13			32		
14			33		
15			34		
16			35		
17			36		
18			37		
19			38		

U.S. Department of Energy Energy Information Administration Form EIA-861 (2002)	*ANNUAL ELECTRIC POWER INDUSTRY REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

REPORT FOR (Company Name): **EIA ID:**

REPORTING PERIOD:

SCHEDULE 7. FOOTNOTES

SCHEDULE (a)	PART (b)	LINE NO. (c)	COLUMN (d)	NOTE(S) (e)

U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

PURPOSE

Form EIA-906 collects information from all regulated and unregulated electric power plants and combined heat and power (CHP) facilities in the United States. Data collected on this form include electric power generation, fuel consumption, fuel heat content, fossil fuel stocks, and useful thermal output at combined heat and power plants. These are used to monitor the current status and trends of the electric power industry. Further information can be found at www.eia.doe.gov.

REQUIRED RESPONDENTS

The monthly Form EIA-906 is a sample of electric power plants and combined heat and power facilities. Electric power plants and combined heat and power facilities that are not selected to respond monthly must file annually on this form.

RESPONSE DUE DATE

Monthly data are due to EIA by the 10th working day following the close of the calendar month.

Annual data are due to EIA three weeks after the receipt of the form.

METHODS OF FILING RESPONSE

Secure methods of electronically transmitting survey information are the web-based form option (Option 1). With this option, EIA uses security protocols to protect the information against unauthorized access during transmission. Facsimile and e-mail transmissions (including files attached to e-mail messages) travel over ordinary telephone lines and are not considered secure electronic methods of transmitting survey data. Option 1 is the preferred method for filing.

Option 1: Submit your data electronically over the Internet using a web-based form. Log on to www.eia.doe.gov/electricity/edc for system validation instructions.

Option 2: FAX your Form EIA-906 to the following FAX number:
Unregulated: (202) 287-1943 or 1962
Regulated: (202) 287-1585

Option 3: Mail your Form EIA-906 to the EIA at the following address:

U.S. Department of Energy
Energy Information Administration, EI-53
Mail Station: BG-076 (Form EIA-906)
1000 Independence Avenue, S.W.
Washington, D.C. 20077-5651

Note: If you choose reporting Option 1 (Internet) or Option 2 (FAX), you are not required to submit your form by mail.
Retain a completed copy of this form for your files.

CONTACTS

For questions regarding the Form EIA-906 or additional information contact:

Unregulated: Channele Carner
Telephone: (202) 287-1928
FAX: (202) 287-1943
Email: channele.carner@eia.doe.gov

Regulated: Melvin E. Johnson
Telephone: (202) 287-1754
FAX: (202) 287-1585
Email: melvin.johnson@eia.doe.gov

GENERAL INSTRUCTIONS

Additional Forms. Additional copies of the form can be downloaded from the EIA web site at http://www.eia.doe.gov/cneaf/electricity/page/forms.html

Data Reporting

- Report data for all generators by prime mover. For example, report aggregated data for all steam turbines under ST.
- Report data for all generating units that are operable, including those using renewable or alternative energy sources.
- Report generation and fuel consumption for each prime mover at the plant.
- Report heat content for each fuel consumed.
- Report stocks and useful thermal output at the plant level.

Form Revisions. Submit revisions to data previously reported as soon as possible after the error or omission is discovered. Do not wait until the next reporting month's form is due to send resubmission(s). A resubmission should be completed for each revised page. A photocopy of the original submission that clearly shows any changes to the data is acceptable. Draw a line through the incorrect data. Write the correct data above the incorrect data. The revised page will be treated as a replacement for the original page. Fax or mail one copy of the resubmission. Electronic submissions can be modified on the data entry screen.

ITEM-BY-ITEM INSTRUCTIONS
Page 1

Survey Contacts: Verify information, contact person(s) name, title, telephone number, fax number, and e-mail address. If incorrect, draw a line through the incorrect entry and provide the correct information. Provide any missing information. Typed or legible handwritten entries are acceptable. Electronic submissions can be modified on the data entry screen.

Reporting For: Verify report month, respondent name, and address. If incorrect, draw a line through the incorrect entry and provide the correct information. State codes are two-character postal abbreviations. Provide any missing information. Typed or legible handwritten entries are acceptable. Note that respondent ID is assigned by EIA and should not be changed. Electronic submissions can be modified on the data entry screen.

Respondent name, operator code, plant name, plant code, plant capacity, and state are pre-printed using data reported on Form EIA-860, "Annual Electric Generator Report." Any changes to these data must be consistent with data reported on Form EIA-860. Operator and plant codes are assigned by EIA and can not be changed.

Comments and Special Information: Use this section as space to provide data that does not fit elsewhere on the form. For example, if a plant began to use several new fuels during the month and there is not room to put them all in the blank lines provided.

Also use this space to explain unusual circumstances regarding the reported data. Examples include:

- Unusual occurrences that significantly altered the operations of the plant (e.g., scheduled and unscheduled outages, weather);
- Adjustments from the previous reporting period;
- Transfer of stocks or inventory adjustments;
- Values that had to be estimated due to equipment failure or other factors; and/or
- Adjustments to generators affecting maximum generator nameplate capacity.

ITEM-BY-ITEM INSTRUCTIONS
Page 2

Respondent Name, Respondent ID, and Reporting Period: Verify the pre-printed respondent name and reporting period. If incorrect, draw a line through the incorrect entry and provide the correct information. Electronic submissions can be modified on the data entry screen. Note that respondent ID is assigned by EIA and can not be altered.

Type of Respondent: Indicate, by checking the appropriate space, whether the respondent is a regulated or unregulated generator. Write in the Comments Section if the plant is being transferred from a regulated to unregulated entity. Include the names of the regulated and unregulated operating companies.

Plant Name: column a. Provide an explanation of name changes in the Comments Section, located on page 1 of the form.

Plant ID: column b. Plant ID may not be changed. If you have questions regarding the Plant ID, please call or email the appropriate contact identified on page i.

State: column c. If the State listed is the incorrect location for the plant, cross out the pre-printed information. Use the U.S. Postal abbreviation to show the State in which the plant is physically located.

Prime Mover Type: column d. If the information is incorrect, cross through the code and provide the correct prime mover code. If you added a generator with a new prime mover code, please include it. Electronic submissions can be modified on the data entry screen.

- Provide additional codes in column d if omitted from the pre-print.
- Provide the required information in columns e through h, and column j.
- Please coordinate with the Form EIA-860 data submission for your plant. Use the prime mover codes from the following list:

Prime Mover Type	Prime Mover Description
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (includes jet engine design)
IC	Internal Combustion (diesel, piston) Engine
CT	Combined Cycle Combustion – Turbine Part
CA	Combined Cycle – Steam Part
CS	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)
CC	Combined Cycle Total Unit – Planned plants only, for which specific generator details cannot be provided.
HY	Hydraulic Turbine (includes turbines associated with delivery of water by pipeline)
PS	Hydraulic Turbine – Reversible (pumped storage)
PV	Photovoltaic
WT	Wind Turbine
CE	Compressed Air Energy Storage
FC	Fuel Cell
OT	Other – Specify in Comments Section.
NA	Unknown at this time. Use only for plants/generators that are in planning stage, for which specific generator details cannot be provided.

ITEM-BY-ITEM INSTRUCTIONS continued

Energy Source: column e. If your plant/facility uses an energy source that is not preprinted, provide the data for the additional energy sources in Column e. Use the Comments Section on page 1 if you run out of space.

Include start-up and flame stabilization fuels.

If the fuel codes for the plant include Other Biomass Solids, Liquids, or Gasses (OBS, OBL, or OBG codes), or the Other code (OTH), please specify the energy source in the Comments Section located on page 1 of the form. Use additional pages if necessary.

If the pre-printed energy source is incorrect, please cross through the code and provide the correct code. Electronic submissions can be modified on the data entry screen.

For each additional energy source provide:

- Quantity consumed by prime mover in column h;
- Heat content for each fuel in column j; and
- Stocks for coal and petroleum fuels for the entire plant in column i.

ITEM-BY-ITEM INSTRUCTIONS continued

ENERGY SOURCE CODES

Use the following energy source codes and unit labels:

Energy Source Code	Unit Label	Energy Source Description
BIT	tons	Anthracite Coal and Bituminous Coal
LIG	tons	Lignite Coal
SUB	tons	Subbituminous Coal
WC	tons	Waste/Other Coal (includes anthacite culm, bituminous gob, fine coal, lignite waste, waste coal)
SC	tons	Coal-based Synfuel, including briquettes, pellets, or extrusions, which are formed by binding materials or processes that recycle materials
PC	tons	Petroleum Coke
AB	tons	Agricultural Crop Byproducts/Straw/Energy Crops
BLQ	tons	Black Liquor
MSW	tons	Municipal Solid Waste
OBS	tons	Other Biomass Solids (specify in Comments)
SLW	tons	Sludge Waste
TDF	tons	Tire-derived Fuels
WDS	tons	Wood/Wood Waste Solids (paper pellets, railroad ties, utility poles, wood chips, bark, and other wood waste solids)
DFO	barrels	Distillate Fuel Oil (Diesel, No. 1, No. 2, and No. 4 Fuel Oils)
JF	barrels	Jet Fuel
KER	barrels	Kerosene
RFO	barrels	Residual Fuel Oil (No. 5, No. 6 Fuel Oils, and Bunker C Fuel Oil)
WO	barrels	Waste/Other Oil (including Crude Oil, Liquid Butane, Liquid Propane, Oil Waste, Re-Refined Motor Oil, Sludge Oil, Tar Oil, or other petroleum-based liquid wastes)
OBL	barrels	Other Biomass Liquids (specify in Comments)
WDL	barrels	Wood Waste Liquids excluding Black Liquor (BLQ) (includes red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
NG	Mcf	Natural Gas
BFG	Mcf	Blast Furnace Gas
OG	Mcf	Other Gas (specify in Comments)
PG	Mcf	Gaseous Propane
LFG	Mcf	Landfill Gas
OBG	Mcf	Other Biomass Gas (Specify in Comments) (includes digester gas, methane, and other biomass gases)
PUR	MMBtu	Purchased Steam
WH	MMBtu	Waste heat not directly attributed to a fuel source. Note that WH should only be reported where the fuel source for the waste heat is undetermined, and for combined cycle steam turbines that are not supplementary fired
PS WAT	MWh	Electricity used for pumping at a Pumped Storage Hydroelectric Facility
NUC	N/A	Nuclear Fission (Uranium, Plutonium, Thorium)
GEO	N/A	Geothermal
SUN	N/A	Solar
HY WAT	N/A	Water at a Conventional Hydroelectric Turbine
WND	N/A	Wind
OTH		Specify in Comments Section

ITEM-BY-ITEM INSTRUCTIONS continued

Maximum Generator Nameplate Capacity: column f. This column contains pre-printed data based on the information reported by your company on Form EIA-860, "Annual Electric Generator Report." If the information is incorrect, cross through the value and provide the correct value in megawatts. Electronic submissions can be modified on the data entry screen. Please coordinate with the Form EIA-860 data submission for your plant.

Generation: column g.

- Report a single generation value for each prime mover, regardless of the number of energy sources for that prime mover. For example, all generation from your steam turbines with multiple energy sources should be reported as one number under the primary energy source.
- Combined heat and power facilities should provide gross generation for each prime mover.
- Electric power plants should provide net generation.
- Data must be reported in megawatthours (MWh), rounded to whole numbers, no decimals.
- Enter zero when a plant has no generation for a prime mover.
- For electric power plants only: Note that whenever the normal station service electrical energy utilization exceeds the gross electrical output of the plant, a negative number should be reported for net generation. Indicate negative amounts by using a minus sign before the number.
- Combined Cycle Units: Report generation for the combustion turbine (CT) and the steam turbine (CA) separately. If multiple energy sources are used, report each energy source separately. Report supplemental firing fuels in duct burners and/or auxiliary boilers under steam turbine code (CA).
- Pumped Storage Plants: Report net generation as a negative number in column g and report pumping energy in megawatthours in column h. Note that the net generation is equal to gross generation minus pumping energy.

Energy Source Consumption: column h.

- Combined heat and power facilities should report all fuels consumed by the cogeneration system for all purposes – power, useful heat, and losses. See the Glossary (page viii) for definitions of combined heat and power plants, cogeneration system and consumption of energy.
- All other entities should be reporting fuel used only for the production of electric power.
- Include start-up and flame stabilization fuels.
- Report actual values or, if necessary, report estimated values and state in the Comments Section (located on page 1 of the form) that the value is an estimate.
- Enter zero when a plant has no fuel consumption.
- If a prime mover uses an energy source that is not pre-printed, write in the additional fuel codes and report all fuel consumed.
- Please refer to the unit conversion chart (page x), when necessary, to convert your units to the required units.
- Combined Cycle Units: Report generation for the combustion turbine (CT) and the steam turbine (CA) separately. If multiple energy sources are used, report each energy source separately. Report supplemental firing fuels in duct burners and/or auxiliary boilers under steam turbine code (CA).
- Pumped Storage Plants: Report net generation as a negative number in column g and report pumping energy in megawatthours in column h. Note that the net generation is equal to gross generation minus pumping energy.

ITEM-BY-ITEM INSTRUCTIONS continued

- Fuel consumption must be reported in the following units:
  - Solids – Tons
  - Liquids – Barrels
  - Gases – Thousands of cubic feet
- See table of unit conversion factors on page x.

Stocks at End of Reporting Month: column i.

- Report stocks only for the following fuels:
  - Coal; and
  - Petroleum products including petroleum coke.
- Include start-up and flame stabilization fuels. Make sure to report in the required units. See list of energy source codes and unit labels on page v.
- Report stocks at the plant level.
- Enter zero if a plant has no stocks.
- Fossil fuel stocks quantities held off-site that cannot be assigned to an individual plant are to be reported as stocks held at a central storage site. Each central storage site must be reported separately. New sites should be indicated in the Comments Section, located on page 1 of the form.

Heat Content Per Unit of Fuel: column j.

- Enter the gross or higher heating value per unit of fuel as burned. See the glossary for the definition of higher heating value. See the table of heating value ranges for each fuel (page x).
- If the fuel heat content cannot be reported "as burned," data may be obtained from the fuel supplier on an "as received" basis. If this is the case, please state so in the Comments Section.

Useful Thermal Output: column k.

- This column should only be completed by combined heat and power facilities.
- Useful Thermal Output (UTO) is the useful thermal energy produced by a cogeneration system that is used in a process other than the generation of electricity. UTO is measured in millions of Btus. Only combined heat and power facilities that produce both electricity and heat or steam for other purposes should report UTO data.
- The energy input (fuels) into a cogeneration system must equal the energy outputs (electricity, UTO, and losses). This can be expressed as:

Total Energy Input in million Btus = million Btus of Fuel Consumed for Power Generation **+**
million Btus of Useful Thermal Output **+**
million Btus of Losses

- If not directly metered, UTO can be estimated given the heat rate of the power generation unit within the cogeneration system when treated as a stand-alone unit, and the efficiency with which the UTO is produced. Given this information, UTO can be estimated using the following equation:

Total Energy Input = (Heat Rate x Kilowatthours generated) +
(UTO ÷ Boiler Efficiency) + Other Losses,

where Total Energy Input is the combined heat value of all fuels consumed in the cogeneration system.

GLOSSARY

Alternative Resource: A resource that the boiler is capable of burning but is not normally used.

Alternative Energy Source: An energy source that is not normally used, but may be from time to time. Report consumption and heating values for all alternative energy sources actually used. Report zero when the energy source is not used.

Btu: British Thermal Unit. The amount of energy required to raise the temperature of one pound of water by one degree Fahrenheit.

Cogeneration: The production of electrical energy and another form of useful energy (such as heat or steam) through the sequential use of energy.

Cogeneration System: A system using a common energy source to produce both electricity and steam for other uses, resulting in increased fuel efficiency.

Combined Cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbines. The exiting heat is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of electricity. This process increases the efficiency of the electric generating unit.

Combined Heat and Power (CHP): Simultaneous production of electric power and other useful thermal energy (heat) for an industrial process, heating/cooling, or steam sales. Also referred to as cogeneration.

Combined Heat and Power (CHP) Plant: A plant designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Consumption of Energy: The amount of a combustible fuel burned at an electric power plant or a combined heat and power plant. Also, for pumped storage facilities, the amount of pumping energy used (megawatthours), and for purchased steam or waste heat utilized, the Btu equivalent value.

Consumption of Fuel: The amount of fuel used for gross generation, providing standby service, start-up and/or flame stabilization.

Electric Power: The rate at which electric energy is transferred. Electric power is measured by capacity and is commonly expressed in megawatts (MW).

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity Generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electric Power Plant: A station containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Energy Source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells. See the list of energy sources on page v.

Generator Nameplate Capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts and is usually indicated on a nameplate physically attached to the generator.

Gross Generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours or megawatthours.

Heat Content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

GLOSSARY continued

Heat Rate: A measure of energy efficiency that defines how much fuel it takes to generate a kilowatthour of electricity. Commonly expressed as Btu per kilowatthour.

Higher (gross) Heating Value (HHV): The amount of heat produced in combustion, assuming the products (carbon dioxide and water) to be cooled to the initial temperature, so that the water is condensed to liquid. The lower heating value (LLV) is the HHV minus the latent heat of vaporization of the water.

Mcf: One thousand cubic feet.

MMBtu: One million Btu.

Net Generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. *Note:* Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Operable Unit: A unit that is available to provide electric power.

Operating Unit: A unit that is in operation at the beginning of the reporting period.

Prime Mover: The engine, turbine, water wheel, or similar machine that drives an electric generator; or, for reporting purposes, a device that converts energy to electricity directly (e.g., photovoltaic solar and fuel cells).

Process Steam: Steam used at an industrial combined heat and power plant, such as paper and pulp mills, refineries, and chemical plants for manufacturing processes.

Regulated Entity: For the purpose of EIA's data collection efforts, entities that either provide electricity within a designated franchised service area and/or file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered regulated entities. This includes investor-owned electric utilities that are subject to rate regulation, municipal utilities, federal and state power authorities, and rural electric cooperatives. Facilities that qualify as cogenerators or small power producers under the Public Utility Regulatory Power Act (PURPA) are not considered regulated entities.

Renewable Energy Resource: Energy resources that are naturally replenishing but flow-limited. They are virtually inexhaustible in duration but limited in the amount of energy that is available per unit of time. Renewable energy resources include: biomass, hydro, geothermal, solar, wind, ocean thermal, wave action, and tidal action.

Self-Generator: A plant whose primary product is not electric power, but does generate electricity for its own use or for sale on the grid; for example, industrial combined heat and power plants.

Start-up/Flame Stabilization Fuels: Any fuel used to initiate or sustain combustion or used to stabilize the height of flames once combustion is underway.

Steam for heating/cooling: Steam produced at a combined heat and power plant for the purpose of heating and/or cooling space, such as district heating systems.

Stocks of Fuel: A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

Unregulated Entity: For the purpose of EIA's data collection efforts, entities that do not have a designated franchised service area and that do not file forms listed in the Code of Federal Regulations, Title 18, part 141 are considered unregulated entities. This includes qualifying cogenerators, qualifying small power producers, and other generators that are not subject to rate regulation such as independent power producers.

Useful Thermal Output: The thermal energy made available in a combined-heat-and-power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

Watthour (Wh): The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

UNIT CONVERSION CHART

The following table provides conversion factors from common units of measure to tons, barrels and thousands of cubic feet.

To convert to the indicated required unit from your units, multiply by the number in the multiplier column. For example, to convert from metric tons to tons, multiply by 0.9072.

Original Unit	Multiplier	Required Unit
Thousand tons	1000	tons
Metric tons	0.9072	tons
Pounds	0.0005	tons
Barrels Petroleum Coke	0.2	tons
Thousand barrels	1000	barrels
Therms (Natural Gas Only)	0.0971	thousand cubic feet (Mcf)
Cubic feet	0.001	thousand cubic feet (Mcf)
Million cubic feet	1000	thousand cubic feet (Mcf)
Decatherms	0.971	thousand cubic feet (Mcf)
Btus	0.000001	million Btu (MMBtu)
Kilowatthour	0.001	megawatthour
Barrels black liquor	0.231	tons black liquor
Gallons black liquor	0.021	tons black liquor

HEATING VALUE RANGES

Fuel Type	Description	BTU Low	BTU High
AB	Agricultural Byproducts/Straw/ Energy Crops	9.8	16.6
BFG	Blast-Furnance Gas	0.07	0.12
BIT	Bituminous Coal	20	29
BL	Black Liquor	10	14
DFO	Distillate Fuel Oil	5.5	6.2
GEO	Geothermal	0	0
JF	Jet Fuel	5	6
KER	Kerosene	5.6	6.1
LFG	Landfill Gas	0.3	0.6
LIG	Lignite	5.5	16.6
MSW	Municipal Solid Waste	9	12
NA	Not Available	0	0
NG	Natural Gas	0.8	1.1
NUC	Nuclear	0	0
OBG	Other BioMass Gases	0.36	1.6
OBL	Other BioMass Liquids	3.5	4
OBS	Other BioMass Solids	8	25
OG	Other Gas	0.32	3.3
OO	Other Oil	4	5.8
OTH	Other	0	0
PC	Petroleum Coke	24	30
PG	Propane	2.5	2.75
RFO	Residual Fuel Oil	5.8	6.8
SC	Coal Based Synfuel	10	35
SLW	Sludge Waste	10	16
SUB	Subbituminous Coal	15	23
SUN	Solar	0	0
TDF	Tires	16	32
WAT	Water	0	0
WDL	Wood/Wood Waste Liquids	8	14
WDS	Wood/Wood Waste Solids	7	18
WH	Waste Heat	0	0
WND	Wind	0	0
WO	Waste Oil	4	5.8
WOC	Waste/Other Coal	5.5	30

U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

SANCTIONS

The timely submission of Form EIA-906 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. **Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

REPORTING BURDEN

Public reporting burden for this collection of information is estimated to average 1.4 hours per response for monthly respondents and 1.5 hours per response for annual respondents, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Statistics and Methods Group, EI-70, 1000 Independence Avenue S.W., Forrestal Building, Washington, D.C. 20585-0670; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. A person is not required to respond to the collection of information unless the form displays a valid OMB number.

CONFIDENTIALITY

The EIA's provisions for confidentiality of the data elements are as follows:

1. The EIA is required to provide company-specific data to the Department of Justice, or to any other Federal Agency when requested for official use, which may include enforcement of Federal law. The information may also be made available, upon request, to another component of the Department of Energy (DOE); to any Committee of Congress; the General Accounting Office; or to Congressional agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order.
2. The information will be kept confidential and not disclosed to the public to the extent that it satisfies the criteria for exemption in the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE regulations 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905.

Upon receipt of a request for this information under the FOIA, the DOE shall make a final determination whether the information is exempt from disclosure in accordance with the procedures and criteria provided in the regulations. Respondents may be asked for additional information on how release of the designated confidential information would be likely to cause substantial competitive harm. The respondents are encouraged to provide a letter with their submission of data that explains (on an element-by-element basis) the reasons why the confidential information would be likely to cause the respondent substantial competitive harm if released to the public. The letter would be kept on file to respond to requests for the information under the FOIA. A new justification is not needed each time information is submitted on an EIA form if the justification has not changed.

The information contained on this form relating to column i, Stocks at End of Reporting Period, will be kept confidential and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the DOE Regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C., §1905. **The data reported on the Form EIA-906 not specifically stated in this section as confidential are not considered to be confidential.**

U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

NOTICE: The timely submission of Form EIA-906 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. A person is not required to respond to collection of information unless the form displays a valid OMB number. **Data reported in Column i, Stocks at End of Reporting Period, will be kept confidential**. **All other data are not confidential. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

RESPONSE DUE DATE: Please submit within three weeks after the receipt of the form.

SURVEY CONTACTS: Persons to contact with questions about this form.

Contact Person 1: Title:
Telephone:
Fax: E-mail:

Contact Person 2: Title:
Telephone:
Fax: E-mail:

REPORT FOR:

RESPONDENT NAME: **RESPONDENT ID:**

ADDRESS LINE 1:

ADDRESS LINE 2:

CITY: **STATE:** **ZIPCODE:**

COMMENTS AND SPECIAL INFORMATION

Insert below your comments and information on unusual values and special developments, such as the sale of a facility, or information that will not fit in the data entry areas.

DO YOU HAVE COMMENTS, QUESTIONS, OR CONCERNS?

THEN CONTACT EIA BEFORE SUBMITTING THIS FORM.

Non-Regulated: Contact Channele Carner at 202-287-1928
or Channele.Carner@eia.doe.gov

Regulated: Contact Melvin Johnson at 202-287-1754
or Melvin.Johnson@eia.doe.gov

U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04
RESPONDENT NAME:	**RESPONDENT ID:**	**REPORTING PERIOD:**
TYPE OF RESPONDENT: REGULATED GENERATOR ( ) UNREGULATED GENERATOR ( )		**ANNUAL SUBMISSION**

PLANT NAME (a)	PLANT ID (b)	STATE (c)	PRIME MOVER TYPE (d)	ENERGY SOURCE (e)	GENERATOR NAMEPLATE CAPACITY (f)	GENERATION (g)	ENERGY SOURCE		HEAT CONTENT PER UNIT OF FUEL (j)	COGENERATORS ONLY USEFUL THERMAL OUTPUT FOR PROCESSES OTHER THAN POWER GENERATION (k)
							CONSUMED DURING REPORTING YEAR (h)	STOCKS AT END OF REPORTING YEAR (i)		
				If you used a fuel that is not pre-printed, report it in the blank row associated with each prime mover.	Report in Megawatts. Report one (1) value for each prime mover.	Cogenerators: Report gross generation. All Others: Report net generation Report in Megawatthours; one (1) value for each prime mover	If a pre-printed fuel was not used, enter a zero (0). Reporting units: Solids = Tons Liquids = Barrels Gases = Thousands of cubic feet	Report stocks at the plant level, not at the prime mover level.	Reporting units: Solids: Million Btu per ton Liquids: Million Btu per barrel Gases: Million Btu per thousand cubic feet	Report in million Btu. Report only one (1) value per plant. **Not sure what to report?** Contact: Channele Carner 202-287-1928 channele.carner@eia.doe.gov

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U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

NOTICE: The timely submission of Form EIA-906 by those required to report is mandatory under Section 13(b) of the Federal Energy Administration Act of 1974 (FEAA) (Public Law 93-275), as amended. Failure to respond may result in a penalty of not more than $2,750 per day for each civil violation, or a fine of not more than $5,000 per day for each criminal violation. The government may bring a civil action to prohibit reporting violations, which may result in a temporary restraining order or a preliminary or permanent injunction without bond. In such civil action, the court may also issue mandatory injunctions commanding any person to comply with these reporting requirements. A person is not required to respond to collection of information unless the form displays a valid OMB number. **Data reported in Column i, Stocks at End of Reporting Period, will be kept confidential**. **All other data are not confidential. Title 18 U.S.C. 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

RESPONSE DUE DATE: Please submit by the 10th working day following the close of the calendar month.

SURVEY CONTACTS: Persons to contact with questions about this form.

Contact Person 1: Title:
Telephone:
Fax: E-mail:

Contact Person 2: Title:
Telephone:
Fax: E-mail:

REPORT FOR:

RESPONDENT NAME: **RESPONDENT ID:**

ADDRESS LINE 1:

ADDRESS LINE 2:

CITY: **STATE:** **ZIPCODE:**

COMMENTS AND SPECIAL INFORMATION

Insert below your comments and information on unusual values and special developments, such as the sale of a facility, or information that will not fit in the data entry areas.

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U.S. Department of Energy Energy Information Administration Form EIA-906 (2003)	*POWER PLANT REPORT*	Form Approved OMB No. 1905-0129 Approval Expires 11/30/04

RESPONDENT NAME:	RESPONDENT ID:	REPORTING PERIOD:
TYPE OF RESPONDENT: REGULATED GENERATOR ( ) UNREGULATED GENERATOR ( )		MONTHLY SUBMISSION

PLANT NAME (a)	PLANT ID (b)	STATE (c)	PRIME MOVER TYPE (d)	ENERGY SOURCE (e)	GENERATOR NAMEPLATE CAPACITY (f)	GENERATION (g)	ENERGY SOURCE		HEAT CONTENT PER UNIT OF FUEL (j)	COGENERATORS ONLY USEFUL THERMAL OUTPUT FOR PROCESSES OTHER THAN POWER GENERATION (k)
							CONSUMED DURING REPORTING MONTH (h)	STOCKS AT END OF REPORTING MONTH (i)		
				If you used a fuel that is not pre-printed, report it in the blank row associated with each prime mover.	Report in Megawatts. Report one (1) value for each prime mover.	Cogenerators: Report gross generation. All Others: Report net generation Report in Megawatthours; one (1) value for each prime mover	If a pre-printed fuel was not used, enter a zero (0). Reporting units: Solids = Tons Liquids = Barrels Gases = Thousands of cubic feet	Report stocks at the plant level, not at the prime mover level.	Reporting units: Solids: Million Btu per ton Liquids: Million Btu per barrel Gases: Million Btu per thousand cubic feet	Report in million Btu. Report only one (1) value per plant. **Not sure what to report?** Contact: Channele Carner 202-287-1928 channele.carner@eia.doe.gov

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ALASKA ELECTRIC POWER STATISTICS

Appendix G.

DATA SOURCES FOR ENERGY BALANCE

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